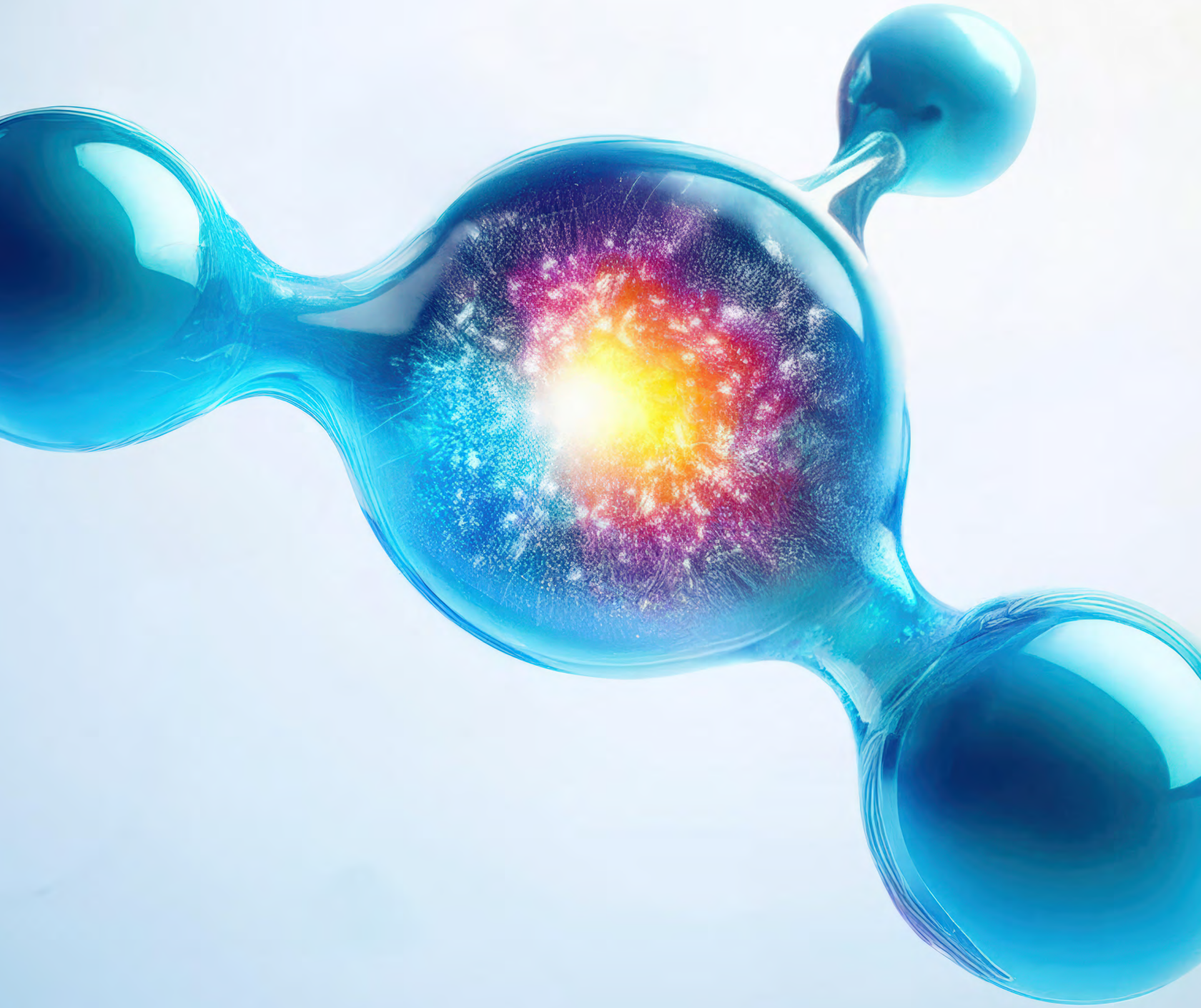
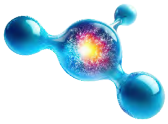
PULPDENT®

ADVANCING DENTISTRY TOGETHER™



INTRODUCING ACTIVA™ BioACTIVE Bulk Flow™

Catalog artwork designed by Florian Sanchez and artificial intelligence



Welcome to the Pulpdent catalog and our continued celebration of ACTIVA BioACTIVE, the first-ever esthetic, load-bearing bioactive dental restorative material. More than a decade after its introduction, ACTIVA continues to inspire new possibilities for minimally invasive, patient-centered dentistry. It is in that spirit that we are thrilled to introduce ACTIVA BioACTIVE Bulk Flow.

With the arrival of ACTIVA BioACTIVE Bulk Flow, clinicians now have a self-leveling, one-step bulk-fill option designed to simplify Class I and Class II restorations while supporting the natural remineralization process.* It is another step forward in our ongoing pursuit of products that provide meaningful clinical efficiencies and make everyday dental treatment extraordinary.

Inside this catalog, you will find a variety of Pulpdent products that have stood the test of time. They continue to earn recognition for excellence in the clinical and scientific communities and, most importantly, help patients smile with confidence.

We are grateful to every member of the Pulpdent employee family for their contributions to our product development, and to our loyal customers for their trust. Together, we can continue to advance dentistry for generations to come.

PULPDENT®

ADVANCING DENTISTRY TOGETHER™

“Helping people live in comfort and smile with confidence”

Please see page 9 for claim details.

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Product Index

It all began with a dancing dentist.

Harold Berk danced his way through life, excelling at every step. Whether chairside or on the dance floor, his feet were always tapping. As he would often remind his family: "Of all the dancers, I was the best dentist, and of all the dentists, I was the best martini maker."

Harold Berk was born to Lithuanian immigrants in 1917. He was raised in Dubuque, Iowa, in the days of Mississippi River boats, horse-drawn apple carts, and three-scoop nickel ice cream cones.

Harold's older sister, Rose, was a choreographer and promoter, and he danced professionally with her troupe from the time he was a child. But Harold had another passion. At just 11 years old, Harold knew he wanted to be a dentist. So sister Rose lost her leading man, and Harold entered Northwestern University Dental School in Evanston, Illinois, at the age of 19.

At Northwestern, Harold became interested in research on vital pulp therapy and the reaction of the pulp to calcium hydroxide, a naturally occurring element first identified for use in dentistry in the 1920s. This would prove to shape his career in dentistry.

Upon graduation, Dr. Berk received the prestigious internship at Forsyth Dental Infirmary for Children in Boston. When Tufts Dental School established its Department of Pediatric Dentistry in 1946, Dr. Berk joined the faculty. He taught there 59 years, until 2005, all while building a busy private practice.

At Forsyth, Dr. Berk continued his research on calcium hydroxide. That effort led to his patent on the first pre-mixed calcium hydroxide aqueous methylcellulose pulpal dressing, Pulpdent Paste. In 1947, the company now known as Pulpdent Corporation was established to market Dr. Berk's invention.

Pulpdent campus in Watertown, Massachusetts

From Single Product to Family Company

When Dr. Berk developed Pulpdent Pulp Capping Paste, the first pre-mixed calcium hydroxide aqueous methylcellulose pulpal dressing, a major dental company offered to purchase the technology. It was 1946, and Dr. Berk was busy teaching and practicing dentistry. He asked the advice of friends at Harvard Medical School who had successfully commercialized products. They recommended that he patent his invention, find a business partner, and market the material—and any future inventions—through his own company.

Dr. Berk was soon introduced to Benjamin Rower, owner of Rower Dental Supply, and together they formed Rower Dental Manufacturing Company with offices in downtown Boston. Ben Rower handled the commercial side of the business, and Dr. Berk was its dental consultant. During the company's first three decades, the company added inventions of its own and distributed specialty items from established European manufacturers. In the 1960s, the company moved to larger quarters in neighboring Brookline, Massachusetts, and changed its name to Pulpdent Corporation of America.

When Ben Rower retired in the mid-1970s, the Berk family acquired his share of the business. Dr. Berk's three sons became involved and built the business known today as Pulpdent Corporation. Faced with the decision of what direction to take the company—importer/distributor or manufacturer—the brothers chose manufacturing. They built a lab to manufacture the chemical products and a machine shop to produce stainless steel instruments.

"The 1980s were transformative for Pulpdent," recalls Don Berk, the first brother to join the company full-time in 1976. "We built a facility for chemical production and machining, we expanded into acid gels and bonding accessories, and we manufactured our first resin-based materials." In 1989 Pulpdent moved to a much larger facility in nearby Watertown. It was there that the company's commitment to R&D sparked innovation, first with the development of hydrophilic resins, and later with fracture-resistant resins and bioactive dental materials, including ACTIVA BioACTIVE and materials containing Crysta MCP technology.

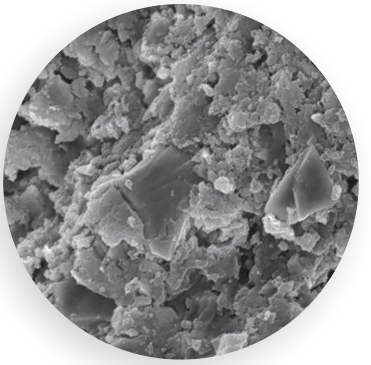
ACTIVA™ BioACTIVE

Merging restorative and preventive dentistry

ACTIVA BioACTIVE products offer more than traditional dental filling materials. They are moisture-tolerant, dual-cure materials formulated with a dynamic ionic resin matrix, a true glass ionomer reaction, and a patented rubberized-resin component. This combination delivers esthetics, strength, and durability; resists fracture; reduces shrinkage stress; and releases and recharges calcium, phosphate, and fluoride, which supports apatite formation and the natural remineralization process.*

ACTIVA transitions dentistry from a passive, reactive repair model intended to do no harm to an active approach that promotes prevention and proactive care. ACTIVA materials have an affinity for tooth structure, absorb stress, and can help interfere with MMP activity that degrades the adhesive layer. The diffusion of essential minerals helps replenish what the tooth loses during low pH cycles, and the remineralization potential helps seal margins against microleakage and restoration failure.

Clinicians note that the moisture-tolerant chemistry simplifies clinical placement, and that ACTIVA restorations display better long-term marginal seal than traditional resin-based materials. Patients derive direct benefits from materials that merge restorative and preventive dentistry, protect teeth, and support oral health.



In the presence of moisture, ACTIVA BioACTIVE has the ability to support the formation of hydroxyapatite, the primary mineral component of enamel and dentin.

Please see page 9 for claim details.

BIOACTIVE MATERIALS:

Why ACTIVA Works

- Moisture-tolerant – Activated by water
- Mineral-enriched – Calcium, phosphate, and fluoride
- Supports dental repair mechanisms – Dynamic behavior
- Supports remineralization – Apatite formation
- Responds to pH cycles – Ion release and recharge

Additional Benefits of ACTIVA

- Esthetic, durable, load-bearing – Resin-based
- Shock-absorbing – Fracture-resistant
- Low shrinkage stress – Seals margins against microleakage

What They're Saying

ACTIVA BioACTIVE products are beneficial to my business and my patients' health. They have allowed me to provide durable, esthetically appealing restorations that offer the added benefits of bioactivity in an effort to prolong the life of both the restoration and tooth itself.
Dr. Todd Snyder

Thanks to its clinical reliability, **ACTIVA BioACTIVE-RESTORATIVE** has been my first-choice material for years, both for the restoration of deciduous teeth and intermediate restorations of hypomineralized teeth. In addition to bioactivity, the mechanical and esthetic characteristics of Activa, combined with the speed and simplicity of use, make it an essential material in my restorative armamentarium.
Dr. Giovanni Sammarco

ACTIVA KIDS BioACTIVE-RESTORATIVE is an efficient and reliable material. I count on Activa Kids for speed and consistency, and it does not disappoint.
Dr. Carla Cohn

Crown margins are never fully closed. There is always a 30–50 micron gap with the best fitted indirect restorations. The luting cement fills that gap. I feel much better with a bioactive luting cement, such as **ACTIVA BioACTIVE-CEMENT**. In the presence of saliva, it facilitates the precipitation of apatite crystals on the surface of the cement, ensuring the maintenance of a marginal seal that helps prevent future microleakage and the prospect of recurrent caries.
Dr. Robert Lowe

NEW

ACTIVA™ BioACTIVE Bulk Flow™

&

ACTIVA™ KIDS BioACTIVE Bulk Flow™

Next-generation, Self-leveling Bioactive Bulk Fill

VBF1US	Single Pack Kit: 5 gm syringe + 10 Automix tips, universal shade (ShadeFusion)
VKBF1US	Kids Single Pack Kit: 5 gm syringe + 10 Automix tips, universal shade (ShadeFusion)
VKBF1OW	Kids Single Pack Kit: 5 gm syringe + 10 Automix tips, pediatric/opaque white shade

VBF2US	Twin Pack Kit: 2 x 5 gm syringe + 20 Automix tips, universal shade (ShadeFusion)
VKBFS	Kids Twin Pack Kit: 2 x 5 gm syringe + 20 Automix tips, universal shade (ShadeFusion)
T20G19	Automix tips, clear, with bendable 19-gauge metal cannula, pkg. of 20

Learn more & dealer purchase link

Dental PRODUCT SHOPPER
BEST PRODUCT

Learn more & dealer purchase link

ACTIVA™ BioACTIVE Bulk Flow™

ACTIVA™ kids BioACTIVE Bulk Flow™

Remineralization Support[1]

- Fluoride, calcium, and phosphate release & recharge
- Defends against microleakage via mineral apatite formation[2]
- Biofilm modulation[3]

Bulk-fill Ease & Efficiency

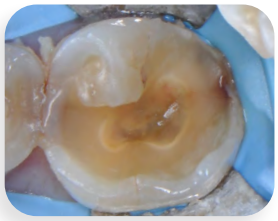
- Use as a dentin replacement, or bulk fill in one step[4] (unlimited depth of cure[5])
- Can be used with or without a capping layer
- Patented stress reduction monomer (MODULUS™), best-in-class shrinkage stress rate[6]

Universal Shade

- ShadeFusion™ technology replaces common VITA shades
- Optimal chroma and translucency, highly esthetic
- Simplifies inventory
- Universal pediatric shade available

Large Class II, Direct Onlay

Photos courtesy of Dr. Raymond Zhu

1. 

Class II cavity prep

2. 

Tooth restored with ACTIVA BioACTIVE Bulk Flow

ShadeFusion Technology

Photos courtesy of Dr. Neville Hatfield

1. 

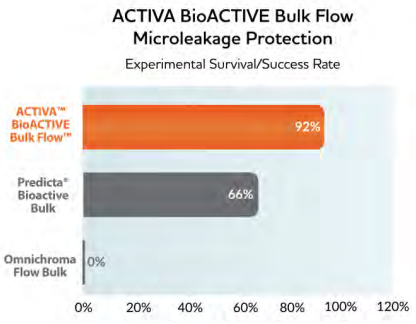
Pre-op

2. 

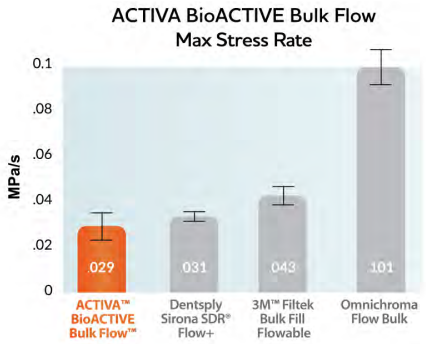
Immediate post-op, showing ACTIVA BioACTIVE Bulk Flow

Physical Properties

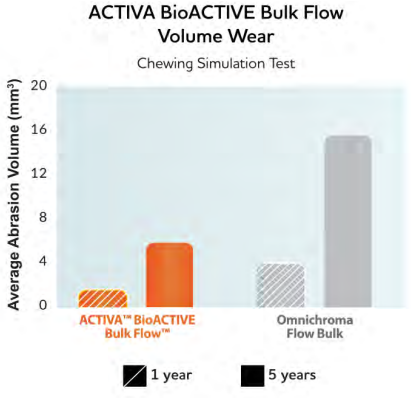
Research shows exceptional microleakage protection and resistance to wear and shrinkage stress



Source: Internal testing, Watertown, MA



Source: Pameijer CH, et al. Efficacy of bioactive resin composites in sealing the marginal gap: an ex vivo study. Scientific Archives of Dental Sciences. 2025;7(9):48–54.



Source: Independent third-party testing (SD Mechantronik)

Physical Properties – *Cure Time:* Light cure - 10 sec. (high power), 20 sec. (med./low power); Self-cure - 3 min., *% Filler by Weight:* 60%, *Compressive Strength:* 280 MPa | *Flexural Strength:* 110 MPa | *Radiopacity:* 200% Al

**Not trademarks of Pulpdent Corporation*

*"**Where previous resins have underperformed, ACTIVA [BioACTIVE Bulk Flow] has consistently exceeded my expectations.** Its lower viscosity and self-leveling properties lead to fewer voids and improved ease-of-use for Class II restorations."* – Dr. Raymond Zhu

[1]*The remineralization process is a natural repair mechanism to restore the minerals, in ionic forms, to the hydroxyapatite (HAP) crystal lattice. Source: Arifa MK, Ephraim R, Rajamani T. Recent advances in dental hard tissue remineralization: a review of literature. Int J Clin Ped Dent. 2019;12(2):139.* [2]*Activa Bioactive physically seals the margin of the material and tooth interface through mineral apatite formation, subsequently protecting against microleakage, the leading cause of secondary caries and recurrent decay. Scanning electron micrographs of the Activa Bioactive-Restorative groups showed a "thicker acid-base resistant hybrid-like layer with a distinct crystallization pattern." (Raghip AG, Comisi JC, Hamama HH, Mahmoud SH. In vitro elemental and micromorphological analysis of the resin-dentin interface of bioactive and bulk-fill composites. Am J Dent. 2023;36(1):3-7.)* [3]*See: Maher YA, Rajeh MT, Hamooda FA et al. Evaluation of the clinical impact and In Vitro antibacterial activities of two bioactive restoratives against S. mutans ATCC 25175 in class II carious restorations. Nigerian Journal of Clinical Practice, 2023;26(4):404-411. Mah J, Merritt J, Ferracane J. Adhesion of S. mutans biofilms on potentially antimicrobial dental composites. J Dent Res. 2017;96:2560.* [4]*"One-step" describes placement after preparation, etching, and bonding steps. Refer to Activa Bioactive Bulk Flow instructions for use (IFU) for complete instructions.* [5]*Dual-cure mode* [6]*Fan Y, Hubler D, Choochaisaengrat S, Giordano II R. Polymerization Shrinkage Stress of Novel Light Curing Dental Composites. Poster presented at American Association for Dental, Oral, and Craniofacial Research Annual Meeting; March 12–15, 2025; New York, NY.*

ACTIVA™ BioACTIVE-RESTORATIVE™
&
ACTIVA™ KIDS BioACTIVE-RESTORATIVE™

Combining esthetics, strength, and durability

Merging restorative and preventive dentistry

Key Bioactive Features

- After millions of restorations, clinicians report excellent marginal integrity and no staining
- Helps seal margins against microleakage and secondary caries
- Calcium, phosphate, and fluoride support remineralization and apatite formation

Additional Features

- Moisture-tolerant chemistry simplifies clinical use
- Dual-cure capability facilitates bulk-fill technique
- Rubberized-resin component resists fracture and chipping

Clinical Pearls

- Easily injects into difficult-to-reach areas and strip crowns
- ACTIVA KIDS opaque white shade masks stains
- Safe for everyone: Contains no bis-GMA, no bisphenol A, and no BPA derivatives

Class II restoration

Photos courtesy of Dr. Leon Katz

1. 

Class II cavity prep

2. 

Tooth restored with ACTIVA BioACTIVE-RESTORATIVE

Repairing sensitive cervical lesions

Photos courtesy of Dr. C.H. Pameijer

1. 

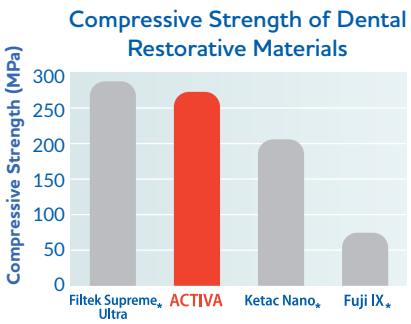
Cervical lesions of lower bicuspids

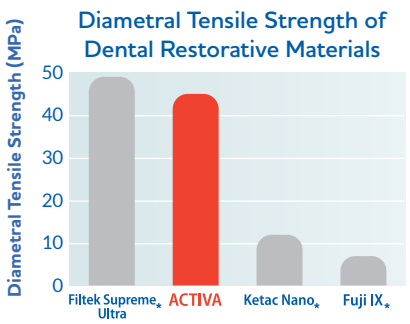
2. 

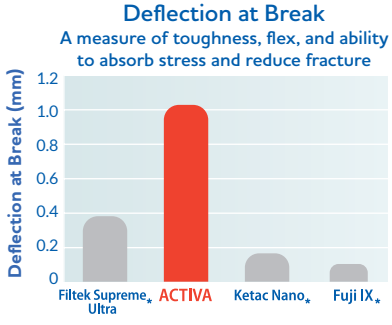
After etching, a bonding agent was applied for added retention. ACTIVA provides esthetics, bioactivity, and patient comfort.

Physical Properties

Independent testing shows compressive strength, wear, and durability are comparable to leading composites. Fracture resistance is superior to traditional composites, resin-modified glass ionomers (RMGIs), and glass ionomers (GIs).







*Not trademarks of Pulpdent Corporation

Initial self-cure setting time at 37° C: **2.5–3 min.**
Light cure setting time: **20 sec.**
Depth of light cure: **4 mm**
Polymerization shrinkage: **1.7%**
Fluoride release 1 day: **230 ppm**
Fluoride release 28 days (cumulative): **940 ppm**

Flexural modulus: **4.3 GPa**
Flexural strength: **102 MPa / 14,790 psi**
Compressive strength: **280 MPa / 40,600 psi**
Diametral tensile strength: **42 MPa / 6,090 psi**
Water sorption (1 week): **1.65%**
Reactive glass filler by weight: **21.8%**

VR*	Starter kit: 8 gm / 5 mL syringe, ACTIVA-SPENSER™ + 20 automix tips * ***Specify Shade: A1, A2, A3***
VR1*	Single refill: 8 gm / 5 mL syringe + 20 automix tips * ***Specify Shade: A1, A2, A3, A3.5***
VR2*	Value pack: 16 gm (2 x 8 gm / 5 mL syringes) + 40 automix tips * ***Specify Shade: A1, A2, A3, A3.5***

VKP	Starter kit: 8 gm / 5 mL syringe, opaque white shade, ACTIVA-SPENSER + 20 automix tips
VK1P	Single refill: 8 gm / 5 mL syringe, opaque white shade, + 20 automix tips
VK2P	Value pack: 16 gm (2 x 8 gm / 5 mL syringes), opaque white shade + 40 automix tips

A20N1	Automix tips, clear, with bendable 20 ga. metal cannula, pkg. 20
A50N1	Automix tips, clear, with bendable 20 ga. metal cannula, pkg. 50
DS05	ACTIVA SPENSER: Dispenser for 8 gm / 5 mL automix syringes

CASE STUDIES

Sealing against microleakage for long-term success

Photos courtesy of Dr. John Comisi

Brown staining and lines around composite restorations are not reported when using ACTIVA. The potential for microleakage and gap formation are significantly reduced by the bioactive response and sealing ability at the material-tooth interface, and by the rubberized resin that mitigates polymerization stresses.

1.

Patient Presentation
Prepared tooth after removal of failed amalgam restoration

2.

4-year Recall
The tooth shows great esthetics, no wear or chipping, and no marginal staining.

Mineral-enriched is ideal for high-caries-risk patients

Photos courtesy of Dr. Ray Kimsey

High-caries-risk patients benefit from ACTIVA's continuous release and recharge of calcium, phosphate, and fluoride. ACTIVA has the perfect flow for strip crowns and is a fast and affordable solution for this patient. The bioactive material will withstand stress, resist recurrent marginal caries, and deliver an esthetic result.

1.

Rampant caries

2.

Decay is removed and teeth prepared for restoration.

3.

Strip crowns were prepared in advance on a study model.

4.

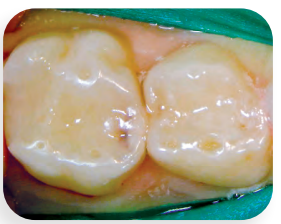
Teeth restored with ACTIVA BioACTIVE-RESTORATIVE using the strip crown technique

Fast, moist-field, bulk-fill placement for pediatric dentistry

Photos courtesy of Dr. Mark Cannon

ACTIVA KIDS is an opaque white shade. Time is of the essence when treating children, and isolation can be an issue. The moisture-tolerant resin and fast injection placement, combined with esthetics, reduced shrinkage stress, and bioactive properties, are ideal for pediatric dentistry and bulk-fill applications. The opaque shade also masks dark SDF stains.

1.

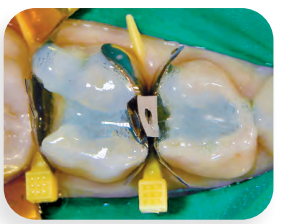


Pre-op shows secondary caries on restored molars.

2.

Prepared teeth

3.



Teeth are etched for 10 seconds.

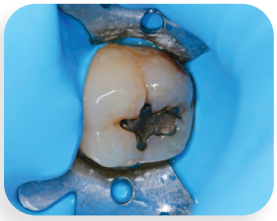
4.

Teeth restored with ACTIVA KIDS

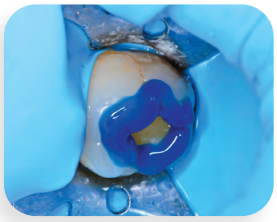
Economical, multi-unit, one-visit restorations

Photos courtesy of Dr. Delfin Barquero

Nine posterior restorations can be completed in one visit with ACTIVA. This patient would soon be undergoing radiation therapy. Due to concerns about infection from untreated caries, the brief window of time, and a limited budget, ACTIVA was the perfect solution. Each restoration was completed in eight minutes. The excellent results provide the added protection of the bioactive material.

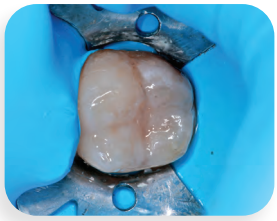
1. 
Failed amalgam restoration

2. 
Amalgam and decay are removed and cavity prepared.

3. 
Enamel is etched for 20 seconds.

4. 
Bonding agent is applied.

5. 
Placement of ACTIVA BioACTIVE-RESTORATIVE

6. 
Completed ACTIVA restoration

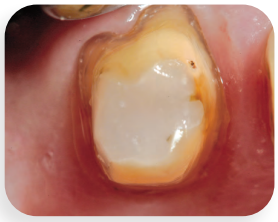
7. 
Several posterior teeth prepared for restoration

8. 
Final posterior restorations with ACTIVA

Core buildup

Photos courtesy of Dr. Robert Lowe

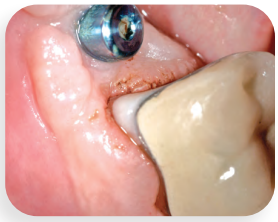
1. 
ACTIVA is used to build the core on a badly broken-down molar.

2. 
The tooth is ready to receive a crown.

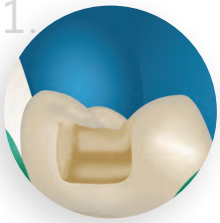
Repairing caries under crown margin

Photos courtesy of Dr. Robert Lowe

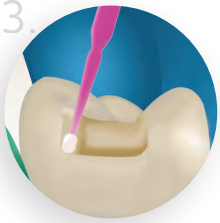
1. 
Caries under crown margin has been removed. (10-second etch and removal of all excess moisture not shown.)

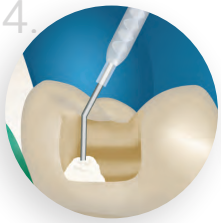
2. 
ACTIVA bonds to tooth, metal, and ceramics, and mimics the function of missing tooth structure.

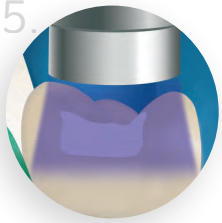
Chairside Guide

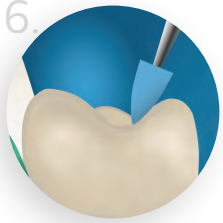
1. 
Prepare cavity, bevel enamel margins.

2. 
Total or selective etch.

3. 
Apply bonding agent per instructions.

4. 
Place ACTIVA in 2 mm increments.

5. 
Light cure after each layer.

6. 
Finish and polish.

ACTIVA™ BioACTIVE-BASE / LINER™

Protect, help remineralize, restore

Learn more & dealer purchase link

Key Features

- Physical and bioactive properties help protect pulp and dentin health
- Calcium, phosphate, and fluoride release support remineralization
- Moisture-tolerant resin adapts intimately and seals dentin
- Strong, durable, rubberized resin absorbs shock and occlusal forces
- Controlled delivery and precise placement through bendable tips
- Contains no bis-GMA, no bisphenol A, and no BPA derivatives

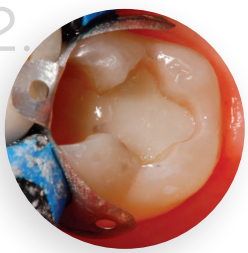
Replacement of a failed composite

ACTIVA BioACTIVE-BASE/LINER and ACTIVA BioACTIVE-RESTORATIVE

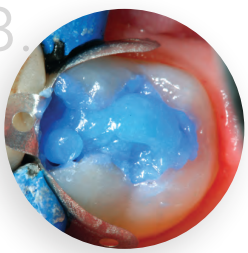
Sharing the same chemistry, ACTIVA-BioACTIVE-BASE/LINER and ACTIVA BioACTIVE-RESTORATIVE are a perfect match for this restoration. They are also compatible with other resin-based composites. ACTIVA BioACTIVE-BASE/LINER is placed in the deep part of the cavity without etching and bonding. Finish by etching, bonding, and placing ACTIVA BioACTIVE-RESTORATIVE.

1. 

Prepared tooth

2. 

ACTIVA BioACTIVE-BASE/LINER after light curing

3. 

Etch with Etch-Rite phosphoric acid gel.

4. 

Finish restoration using composite or ACTIVA BioACTIVE-RESTORATIVE.

Photos courtesy of Dr. Robert Lowe

Physical Properties

Initial self-cure setting time at 37° C: **2.5–3 min.**
Light cure setting time: **20 sec.**
Depth of light cure: **4 mm**
Percentage filler by weight: **45%**

Fluoride release 1 day: **360 ppm**
Fluoride release 28 days (cumulative): **1,300 ppm**
Flexural modulus: **3.7 GPa**
Flexural strength: **86 MPa / 12,470 psi**

Compressive strength: **226 MPa / 32,770 psi**
Diametral tensile strength: **37 MPa / 5365 psi**
Water sorption (1 week): **2.30%**
Reactive glass filler by weight: **19.3%**

VB1	Single pack: 7 gm / 5 mL syringe + 20 automix tips
VB2	Value pack: 14 gm (2 x 7 gm / 5 mL syringes) + 40 automix tips

A20N1	Automix syringe tips, clear, with bendable 20 ga. metal cannula, pkg. of 20
A50N1	Automix syringe tips, clear, with bendable 20 ga. metal cannula, pkg. of 50

ACTIVA™ BioACTIVE-CEMENT™

Universal[1], lute + bond, dual cure

Product Overview

ACTIVA BioACTIVE-CEMENT offers protection from the #1 cause of crown failures: secondary caries caused by microleakage.[2] This ion-releasing resin/RMGI hybrid is universally indicated[1]. It may be used as a luting cement in retentive preps and bonded in non-retentive preps. ACTIVA is a superior day-to-day choice for a caries management armamentarium.

Learn more & dealer purchase link

Additional Features

- Calcium, phosphate, and fluoride release/recharge helps modulate biofilm and discourage acid erosion
- Patented rubberized resin acts like a ligament to absorb shock and minimize stress
- Two shades, Translucent and A2, match requirements for both anterior and posterior areas
- Low solubility – Does not wash out
- More resistant to chipping and fracture than other dental cements

Indications

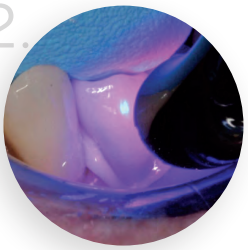
For indirect restorations including:

- zirconia
- CAD/CAM and glass ceramic restorations
- all ceramic
- resin
- metal/PFM
- implant dentistry
- preformed stainless steel and zirconia pediatric crowns

1.

Tooth is prepared to receive a crown. Note retentive crown prep.

2.



Crown filled with ACTIVA BioACTIVE-CEMENT is seated and tack cured 1-2 seconds.

3.

Excess cement is easily removed.

4.

Finished case

Photos courtesy of Dr. G. Franklin Shull

Physical Properties

Working time at room temperature: **90 sec.**
Light cure setting time: **20 sec.**
Self-cure anaerobic setting time at 37°C: **< 3 min.**
Percentage reactive glass filler by weight: **47%**

Fluoride release 1 day: **360 ppm**
Fluoride release 28 days (cumulative): **1,300 ppm**
Flexural modulus: **3.7 GPa**
Flexural strength: **88.4 MPa / 12,800 psi**

Compressive strength: **210 MPa / 30,500 psi**
Diametral tensile strength: **37 MPa / 5365 psi**
Water sorption (1 week): **2.30%**
Film thickness: **11 µm**

VC1A2	Single pack: 7 gm / 5 mL syringe + 20 automix tips A2 Opaque Shade	**VC1T**	Single pack: 7 gm / 5 mL syringe + 20 automix tips Translucent Shade
VC2A2	Value pack: 14 gm (2 x 7 gm / 5 mL syringes) + 40 automix tips A2 Opaque Shade	**VC2T**	Value pack: 14 gm (2 x 7 gm / 5 mL syringes) + 40 automix tips Translucent Shade

A20	Automix syringe tips, pkg. 20	**A20N1**	Automix syringe tips, clear, with bendable 20 ga. metal cannula, pkg. of 20
A50	Automix syringe tips, pkg. 50	**A50N1**	Automix syringe tips, clear, with bendable 20 ga. metal cannula, pkg. of 50

[1]ACTIVA™ BioACTIVE-CEMENT™ is indicated for use with all zirconia, ceramic, stainless steel, and composite-based indirect restorations, except for porcelain veneers. [2]Chao W., Perry R., Kugel G. Surface deposition analysis of bioactive restorative material and cement. Journal of Dental Research. 2016;95,S1313.

CRYSTA™ MCP TECHNOLOGY

U.S. PATENT NO 11,116,701 B2

CRYSTA'S MECHANISM OF ACTION

The Crysta molecule attracts calcium in the saliva, binds to calcium on the teeth, and can help precipitate calcium phosphate from the oral environment, sealing the material-tooth interface.

HOW CRYSTA BENEFITS PATIENTS

Composites enriched with Crysta deliver calcium, phosphate, and fluoride, which supports remineralization and helps protect against microleakage, sensitivity, secondary caries, and restoration failure.

WHY CRYSTA IS IMPORTANT FOR DENTISTRY

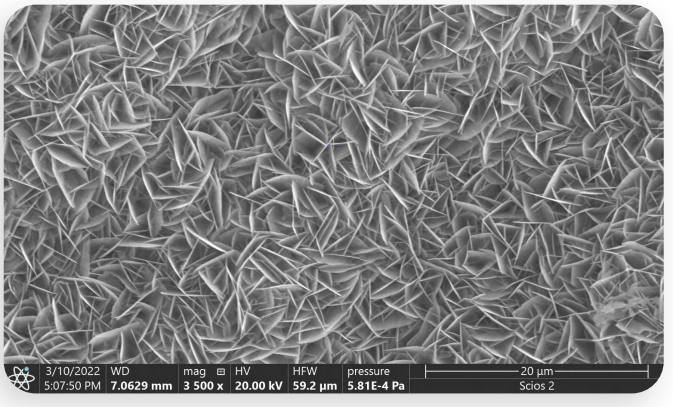
Crysta merges restorative and preventive dentistry. It accelerates dentistry's transition from passive materials intended to do no harm to active restoratives that interact with enamel, dentin, and saliva.

IS MY RESTORATIVE PROCEDURE THE SAME?

Yes. Use your standard restorative techniques to deliver outstanding cosmetics, strength, wear-resistance, and long-term health benefits to patients.

IS CRYSTA A PRODUCT?

Crysta is a stabilized calcium phosphate filler that can be added to composite resins to spark greater bioactive potential. Crysta currently powers ACTIVA Presto and Lime-Lite Enhanced.

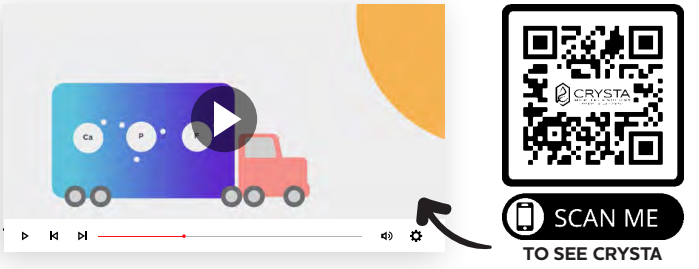


Calcium Phosphate Precipitation

An SEM image shows ACTIVA Presto, powered by Crysta, after 30 days in phosphate buffered saline with calcium and magnesium (3,500x). The SEM shows mineralization and the formation of well-developed, plate-like apatite crystals.

Image courtesy of Prof. Dr. Salvatore Sauro, Universidad CEU-Cardenal Herrera, Valencia, Spain

Watch the video to learn about Crysta's decade-long journey from idea to patented technology.



*For additional information, visit **pulpdent.com/crysta***

ACTIVA™ Presto

Bioactive, high viscosity, light-cure flowable composite

Product Overview

ACTIVA Presto is a versatile, highly esthetic, bioactive composite indicated for all classes of cavities and load-bearing applications. Its stackable, low-flow viscosity ensures superior handling and accurate placement, even in difficult-to-reach areas. ACTIVA Presto bioactively seals margins to help defend against secondary caries.

POWERED BY CRYSTA™ MCP TECHNOLOGY
U.S. PATENT NO 11,116,701 B2

Dental Product Shopper RECOMMENDED PRODUCT

Dentistry Today TOP 100 PRODUCTS 2023

2021 REALITY Four Star Award

Learn more & dealer purchase link

MERGING RESTORATIVE AND PREVENTIVE DENTISTRY

ACTIVA Presto helps transition dentistry from a passive repair model intended to do no harm to an active approach using dynamic restorative materials. Pulpdent's bioactive materials support remineralization and help protect against microleakage, sensitivity, secondary caries, and restoration failure.

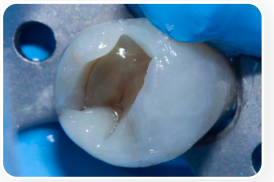
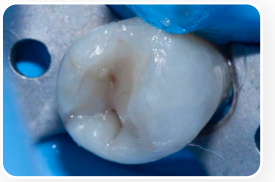
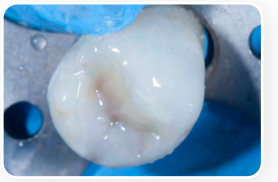
Key Features

- Highly polishable – Top-tier esthetics
- Bioactive – Calcium, phosphate, and fluoride release supports remineralization
- Patented rubberized resin – Tough, durable, load bearing, fracture resistant
- Moisture tolerant – Anxiety-free placement in the oral environment
- Stackable and injectable – Uniquely shapeable, low-flow viscosity
- Contains no bis-GMA, no bisphenol A, and no BPA derivatives
- Pediatric to geriatric shades: A1, A2, A3, A3.5, A4, A6, B1, Bleach

Conservative dentistry – Preserves tooth structure

Using Activa Presto in this case, I was able to preserve tooth structure and avoid a crown. The stackable, low-flow viscosity was perfect for building up the walls and cusps in this large Class II. The combination of biomineralization, esthetics, and strength, together with the forgiving nature of the rubberized resin, provide a direct, economical, one-visit solution.

Dr. Delfín Barquero

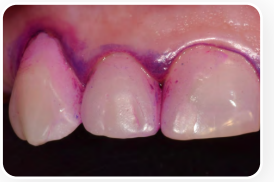
Class II restoration using ACTIVA Presto A2 shade delivers durable, wear-resistant results and is indicated for load-bearing applications.

High-risk patients – Low plaque retention

Restoring the anterior teeth of this high-caries-risk patient would require esthetics along with the benefits of essential minerals to combat recurrent decay. Activa Presto is unique because it provides both, and it also displays exceptional soft tissue compatibility. At the one-month follow-up visit, disclosing solution shows minimal plaque retention. This is unusual for dental composites. Note the excellent tissue health.

Dr. Stefano Daniele






ACTIVA Presto A1 and A2 shades provide minerals and esthetics.
At the one-month follow-up, disclosing solution shows minimal plaque. Note excellent tissue health.

Ideal for geriatric dentistry and cervical restorations

Activa Presto is my choice for geriatric cases and cervical restorations. Moisture-tolerant properties overcome isolation issues, rubberized resin flexes with the tooth in cervical areas, and biomineralization discourages secondary caries. The A4 and A6 shades provide natural esthetics and are very useful for older patients.

Dr. Lou Graham




Multi-surface cervical restoration with ACTIVA Presto A3.5 shade on the mesial and A6 shade on the buccal provides shade matching and blending.

Cosmetic dentistry – Smile zone esthetics

"Our patients expect an esthetic result in the smile zone, and Activa Presto delivered in this case. The cosmetic repair looks totally natural and blends perfectly with the dentition. The low-flow viscosity of the material made for easy placement and contouring, and the mineralization potential should seal the margins against staining."

Dr. Ray Kimsey

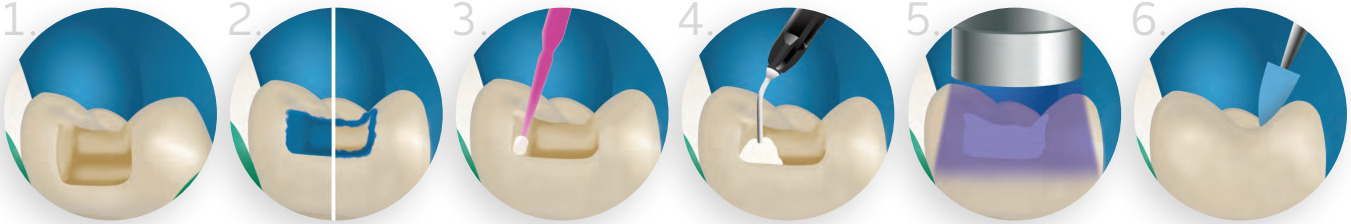
This anterior tooth is beautifully restored with ACTIVA Presto. Shades can be overlapped, swirled together, and blended for a natural esthetic.

Flexural properties, support against secondary caries

"A 60-year-old woman presented with multiple cervical lesions in her first and fourth quadrants. She also complained of sensitivity to cold. After evaluating the case, I chose Activa Presto for the restorations due to the material's flexural properties and ability to exchange beneficial ions. The flexural properties of Activa Presto will help it stay in place, and the ion exchange will help prevent secondary caries."

Dr. Pratiek Gupta

Chairside Guide



1. Prepare cavity, bevel enamel margins.
2. Total or selective etch.
3. Apply bonding agent per instructions.
4. Place Activa Presto in 2 mm increments.
5. Light cure after each layer.
6. Finish and polish.

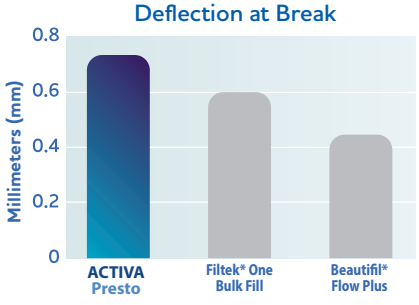
Physical Properties

** Not trademarks of Pulpdent Corporation*

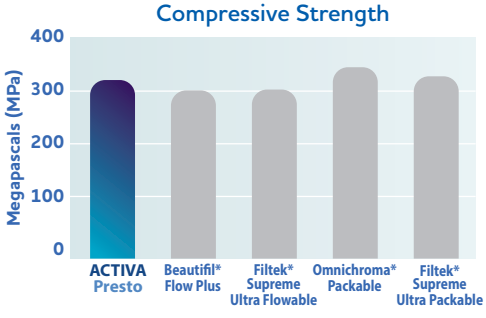
Light-cure setting time: 20 sec.
% filler by weight: 70%

Diametral tensile strength: 52 MPa
Radiopacity: 2.5 AL (250%)

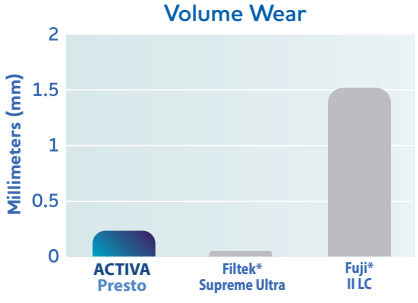
Deflection at Break



Compressive Strength



Volume Wear



VNF1*	4.4 gm (2 x 2.2 gm / 1.2 mL syringes) + 20 applicator tips *Specify shade: A1, A2, A3, A3.5, A4, A6, B1, BW (bleach white)

19K20	Applicator tips, 19 ga. x ½" pre-bent tips, pkg. 20
19K100	Applicator tips, 19 ga. x ½" pre-bent tips, pkg. 100

MCP technology:
What it is and how it benefits patients

John Comisi, DDS, MAGD

MCP: Mineralization Potential

Dentists have recently been introduced to a new development in restorative dentistry—methacrylate-functionalized calcium phosphate (MCP) technology. MCP is a bio-interactive molecule that can help support remineralization of compromised teeth and act as a precursor for nucleation sites for apatite formation at the material-tooth interface. The patented MCP technology goes under the trade name Crysta.

MCP is the first technology that enables the single-barrel syringe application of a bio-interactive light-cure composite. It can also be added to dual-cure materials. MCP can deliver essential minerals to support the replenishing of demineralized tooth structure, and it can help form an apatite-like calcium phosphate precipitate. This has the potential to help occlude the material-tooth interface and discourage bacterial ingress.

Crysta MCP technology is currently available in Lime-Lite Enhanced cavity liner and Activa Presto universal stackable composite. Lime-Lite Enhanced is a protective base/liner that adheres to dentin and bonds to both traditional and bio-interactive restorative materials. When used in conjunction with an MCP-containing composite, such as Activa Presto, clinicians can create ion-releasing restorations with a uniform ionic seal along the entire cavity preparation.

Restoration Failure

Etchants and bonding agents are essential for today's restorative dentistry, and these materials are acidic in nature. Bonding agents infiltrate etched dentin and form a hybrid layer with the demineralized collagen, creating a "tissue-engineered" interface that is subject to chemical and mechanical stresses.

Factors that can compromise the hybrid layer and interfere with the formation of stable long-term bonds include acids and polymerization stress. These can lead to microleakage and restoration "failure from within." For example, restorative composites are all subject to polymerization shrinkage and stress, which can cause micro-gaps at the material-tooth interface.

The acids from etching and bonding activate matrix metalloproteinases (MMPs) in dentin. MMPs are enzymes that are capable of degrading demineralized collagen fibrils. As this occurs, the hybrid layer becomes more porous and accumulates water. This increases the potential for failure under mechanical stress and accelerates the water-dependent mechanisms of degradation and microleakage.

The MCP Advantage

There are interesting differences between Pulpdent's bio-interactive materials and traditional composites, and these can help overcome many clinical challenges. There is evidence from research studies that Pulpdent's moisture-tolerant ionic resins can reduce MMP activity, that biofilm adheres less tenaciously, and that they can stimulate hard tissue formation in vivo. Pulpdent's patented rubberized-resin molecule provides fracture-resistance and helps absorb polymerization stress.

The addition of MCP as an active filler in the resin matrix opens new possibilities. The MCP molecule is a calcium deficient apatite, and Pulpdent's ionic resins are rich in phosphate. Both resin and filler can bind to calcium in tooth structure. MCP can also precipitate calcium phosphate.

What we see with Pulpdent's novel chemistry is the potential for a range of materials that adapt intimately to tooth structure and have the ability to form apatite at the material-tooth interface. Their release and recharge of calcium, phosphate, and fluoride, and the reduction of MMP activity could help protect the hybrid layer from degradation. Mitigation of polymerization stresses could also help protect the integrity of the marginal seal.

The combination of these attributes provides the potential for MCP-containing materials to support remineralization, develop a superior marginal seal against microleakage and restoration failure at the material-tooth interface, and extend the life of composite restorations for our patients.

References available online at pulpdent.com/crysta

John Comisi, DDS, MAGD, is Interim Chair Professor at Augusta University. Prior to this appointment, he practiced dentistry in Ithaca, New York, for more than 30 years.

Lime-Lite™ Enhanced

Light-cure cavity liner

POWERED BY CRYSTA™ MCP TECHNOLOGY
U.S. PATENT NO 11,116,701 B2

Product Overview

Lime-Lite Enhanced is a moisture-tolerant cavity liner that protects against sensitivity. It provides the added benefits of Crysta MCP technology, which delivers calcium, phosphate, and fluoride to support remineralization. It also contains a rubberized-resin component that is tough and fracture resistant. It is radiopaque and specially formulated for use with adhesives, composites, and conventional restorative materials.

Dental PRODUCT SHOPPER BEST PRODUCT

Dental PRODUCT SHOPPER READERS' CHOICE 2026

Learn more & dealer purchase link

"Using Lime-Lite Enhanced in deep cavities, I observe a reduction of dentin sensitivity. With time, new sclerotic dentin forms under this base/liner. Its viscosity is ideal for deep, rough cavities with many undercuts. Lime-Lite Enhanced is visible on x-rays, which is very important in deep cavities."

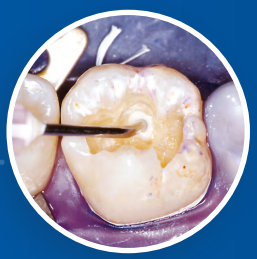
Dr. Lukasz Balcerzak

Additional Features and Benefits

- Adheres to dentin – Universal dentin shade
- Mineral-enriched formula releases calcium, phosphate, and fluoride
- Supports the natural remineralization process
- Durable – High compressive strength, resin-based material
- Shock absorbing – Will not fracture or crumble
- Contains no bisphenol A, no bis-GMA, and no BPA derivatives

Predictable and sensitivity-free restoration

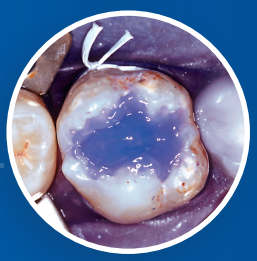
> Lime-Lite Enhanced works because it releases the necessary trifecta—calcium, phosphate, and fluoride—for remineralization and hydroxyapatite formation. It's easy to place, and its rubberized resin imitates the physical properties of dentin—ideal for long-term success as a liner. The inclusion of Crysta MCP technology allows Lime-Lite Enhanced to integrate with the tooth for a predictable and sensitivity-free restoration after deep caries excavation.
>
> **Dr. Neville Hatfield**

1. 

Place Lime-Lite Enhanced in the cavity prep.

2. 

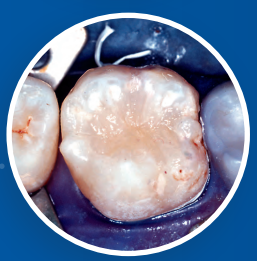
Light cure for 20 seconds.

3. 

Etch cavity prep with Etch-Rite 38% phosphoric acid.

4. 

Apply DenTASTIC UNO to the moist dentin surface for light cure or UNO + DUO for dual cure procedures.

5. 

Layer incrementally with composite to achieve the final restoration.

Images courtesy Dr. C.H. Pameijer

LLE	8 gm (4 x 2 gm / 1.2 mL syringes) + 20 applicator tips
LLE3	5 gm / 3 mL syringe + 20 applicator tips

20L20	Pink, 20 ga. x ½", pre-bent tips, pkg. 20
20L100	Pink, 20 ga. x ½", pre-bent tips, pkg. 100

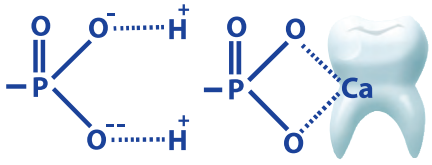
embrace™ wetbond™

Moisture-tolerant ionic resin chemistry

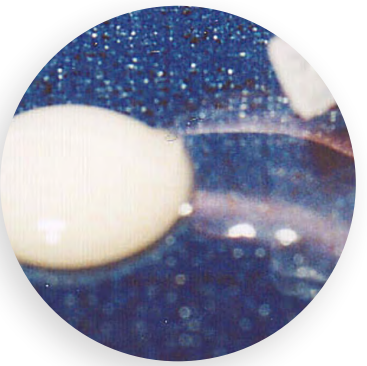
It is a fundamental principle of science that the potential for dynamic or bioactive behavior only exists with materials that are moisture-tolerant and have the capacity to transport water.

Pulpdent's introduction of moisture-tolerant Embrace resins in 2002 opened the door for dynamic resin-based materials and esthetic bioactive restoratives.

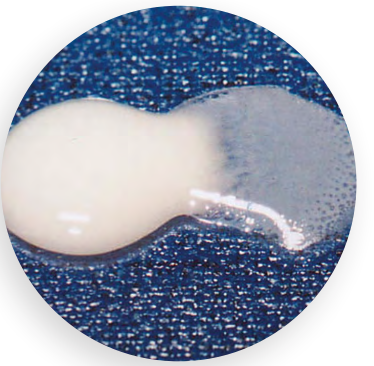
Embrace WetBond resin chemistry has phosphate groups that contain acidic hydrogen. The negatively charged phosphates have greater affinity to calcium (+2) ions than to hydrogen (+1) ions. As a result, the hydrogen ions are readily replaced with positively charged calcium ions.



In the mouth, the phosphate acid groups bind to the calcium present on the tooth and form a strong bond. This is one reason for the intimate adaptation of Embrace resin to tooth structure and its highly acclaimed sealing ability. Another reason is that dentin and enamel contain water and are more compatible with the moisture-tolerant Embrace resin than with traditional hydrophobic resin materials.



A drop of water is placed next to uncured Embrace resin.



Embrace mixes with the water.

What They're Saying

In using **Embrace WetBond Pit & Fissure Sealant**, we appreciate the consistency that allows precise positioning, the off-white shade that guarantees visual control over time, and the hydrophilicity of the material. The moisture-tolerant properties of the material allow us to work more easily with children and in newly erupted teeth where rubber dam placement is often not possible.

Dr. Luigi Paglia
Department of Pediatric Dentistry, Istituto Stomatologico Italiano (Milano-Italy)
Editor in Chief, European Journal of Paediatric Dentistry

Embrace Resin Cement has high retention to zirconia and is indicated for all substrates. I have seen consistently successful results for 13 years in a wide variety of clinical cases. The hydrophilic, self-adhesive, dual-cure properties contribute to ease of use and ensure success with subgingival crown margins. For non-retentive crown preps, I do not hesitate to use a bonding agent.

Dr. Rumpa Wig

Pulpdent's Embrace WetBond Opaquer is my 'go-to' when I need to cover anything up (e.g., old amalgam stains, posts, or metal substructures). It is easier to use than every other brand I have tried. I need very little material—a thin layer is usually enough. Embrace Opaquer is also very resistant to dissolving when the bonding agent is applied, so it stays put, and the pink Opaquer covers metal completely.

Dr. Marty Zase

Embrace™ WetBond™ Pit & Fissure Sealant

Exceptional marginal adaptation, effortless placement

Product Overview

Embrace WetBond Pit & Fissure Sealant forms an intimate association with the slightly moist tooth. Its tooth-integrating properties create a margin-free interface between the resin and the tooth that seals against microleakage and caries.
Unlike other sealants, Embrace releases and recharges fluoride and phosphate. The material is renowned for its ease of placement, especially under adverse conditions.

Dental Product Shopper READERS' CHOICE 2026

THE DENTAL ADVISOR ++++1/2

Learn more & dealer purchase link

Key Features

- Moisture tolerant, tooth integrating, and margin free
- No drying or bonding agents required
- Available in off-white or natural shade
- Contains no bisphenol A, no bis-GMA, and no BPA derivatives

Physical Properties

Compressive Strength: **34,800 psi / 240 MPa**
Diametral Tensile Strength: **6,300 psi / 43.4 MPa**
Percent Solubility: **0.06%**
Film Thickness: **12 µm**
Percent filled (EMS, EMS3, EMSB): **36.6%**
Percent filled, Low-Fill Formula (EMSWLF): **7.9%**

> It is one of the best and most reliable materials I ever used in pediatric dentistry. For me, it is the perfect choice as a pit and fissure sealant as well as for small Class I caries lesions.
>
> Dr. Joseph P. O'Donnell

Real-world Clinical Performance

A study assessed the real-world clinical performance of Embrace WetBond Pit & Fissure Sealant in a busy suburban pediatric practice. Dr. Joseph O'Donnell followed 334 Embrace sealants over a period of 4–6 years. The patients had different hygiene habits and caries risk, and no patients were excluded from the study. The long-term results were dramatic.

After four to six years:

- 299 of the 334 Embrace sealants remained in excellent condition.
- 32 required resealing with no evidence of occlusal caries.
- 3 teeth developed occlusal caries.

The sealed teeth were 99% caries free.

Strassler HE, O'Donnell JP. A unique moisture-tolerant, resin-based pit and fissure sealant: clinical technique and research result. Inside Dentistry. *2008;4(9):108–110.*

"Virtually undetectable margins."

—The Dental Advisor

1

Clean teeth and apply Etch-Rite for 15 seconds.

2

Rinse and lightly dry. Remove surface water. Do not desiccate tooth. It should be shiny, not chalky. Apply sealant.

3

Light cure.

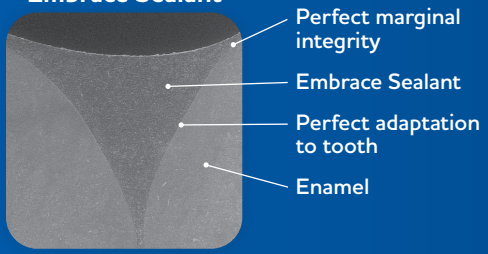
4

After curing, the margins are undetectable with an explorer.

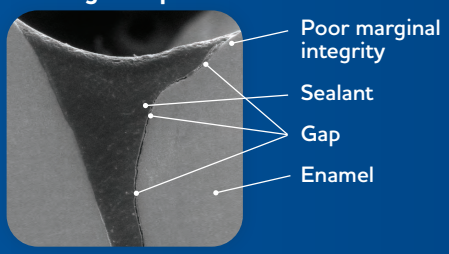
Exceptional Marginal Adaptation

Embrace resins form an intimate association with the moist tooth.
They are tooth integrating, creating a margin-free interface between the resin and the tooth that helps eliminate microleakage.

Embrace Sealant



Leading Competitor



SEM imaging shows Embrace sealant without a bonding agent. Note smooth margin and extraordinary adaptation of sealant to the tooth. By contrast, the sealant of a leading competitor shows a large gap.

Kane B, Karren J, Garcia-Godoy C, Garcia-Godoy F. Sealant adaptation and penetration into occlusal fissures. *Am J Dent.* 2009;22(2):89-91.

EMS	4 x 1.2 mL / 1.9 gm syringes, natural shade, + 20 tips
EMS3	3 mL / 4.72 gm syringe, natural shade
EMSB	20 x 1.2 mL syringes, natural shade, + 100 tips
23R20	Red, 23 ga. x 1/2″, pre-bent tips, pkg. 20
22K20	Black, 22 ga. x 1/2″, pre-bent tips, pkg. 20

EMSW	4 x 1.2 mL / 1.9 gm syringes sealant + 20 tips, off-white shade
EMS3W	3 mL / 4.72 gm syringe, off-white shade
EMSWB	20 x 1.2 mL syringes, off-white shade + 100 tips
EMSWLF	4 x 1.2 mL syringes Low-Fill sealant, off-white shade + 20 tips
22K100	Black, 22 ga. x 1/2″, pre-bent tips, pkg. 100

Embrace™ Varnish

5% sodium fluoride plus calcium, phosphate, and xylitol

FV50	Box of 50 x 0.4 mL / 0.4 gm packets	**FVT**	Tube, 12 mL / 12.6 gm
FV200	Box of 200 x 0.4 mL / 0.4 gm packets	**FVX100**	100 x 0.4 mL / 0.4 gm (no brush)

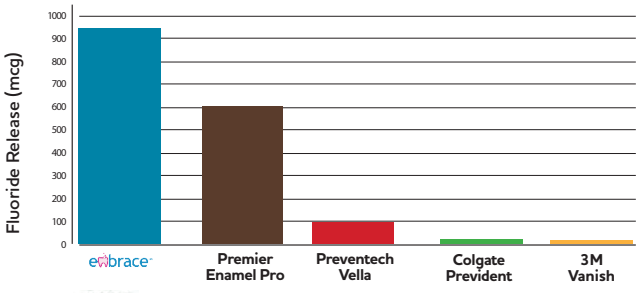
Learn more & dealer purchase link

A Calcium and Phosphate Boost

Using a proprietary process, the calcium and phosphate in Embrace Varnish are coated with xylitol to prevent them from reacting until they come in contact with saliva. Saliva dissolves the xylitol and releases bioavailable calcium and phosphate ions, which react continuously with the fluoride to form protective fluorapatite on the teeth.

4-hour Cumulative Fluoride Release

In micrograms relative to 50.0 +/- 1.0 mg solid weight



THE DENTAL ADVISOR

Yapp R, Powers JM. Fluoride Ion Release from Several Fluoride Varnishes. Dent Advis Res Rpt 45:1, March 2012.

Key Features

- Embrace Varnish releases 10 times more fluoride than the leading brand in four hours
- Contains bioavailable calcium and phosphate, the essential building blocks of teeth
- Fluoride is suspended in the resin and does not require mixing
- Sustained time-release, uniform dose, pleasing taste
- Contains xylitol

What They're Saying

I've applied many brands of varnish over the years, but most recently I've used Embrace Varnish. I love the way it flows onto the tooth in a thin layer. And instead of a 'fake' flavor, the xylitol makes the varnish naturally sweet!
Lori Bulloch, RDH

Treatment of Hypersensitivity Using Embrace Varnish

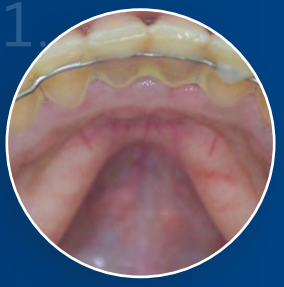
By Dr. Fariha Tamkanat

Embrace Varnish is my go-to varnish for treating hypersensitivity and preventing discomfort. Its gel-like consistency makes it very easy to use. Embrace Varnish has been well received by patients due to its pleasant flavor, and they benefit from its outstanding fluoride release and other clinical properties.

Case Study

A 29-year-old female presented with a complaint of occasional mild-to-moderate sensitivity in her lower teeth, particularly to cold.
She had no previous medical history, but had received orthodontic treatment six years ago.
Since that time she had worn both upper and lower fixed retainers.
After only one application of Embrace Varnish, the patient reported her sensitivity was greatly reduced.

1.

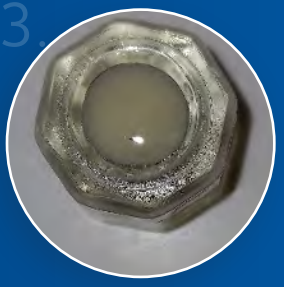


Calculus deposits and marginal gingivitis were observed around lower gingival margin from canine to canine.

2.

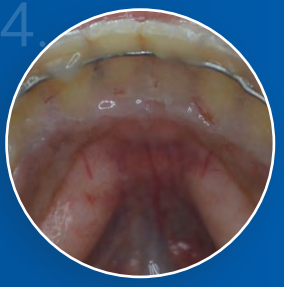
Minimal cleaning was performed and all teeth in the anterior region were dried with compressed air and gauze before application of varnish.

3.



Embrace Varnish was dispensed into a dappen dish.

4.



A brush was used to apply a thin layer of varnish in the lower anterior region.

Embrace™ WetBond™ Seal-n-Shine™

Penetrating finish and polishing resin

Product Overview

Embrace WetBond Seal-n-Shine is a clear resin that penetrates and seals margins and leaves a glaze-like finish on restored surfaces.

Penetrates and seals margins of composite restorations

- Cures clear – no yellow tint
- Seals microporosities and cracks
- Eliminates the final polishing steps
- Bonds in a slightly moist field
- Does not alter occlusal anatomy or discolor the restoration

Learn more & dealer purchase link

EMSNS	6 mL bottle, brush handle + 100 brush tips
EMSNY	2 x 1.2 mL syringes + 40 flocked tips

Etched enamel and composite restoration

Seal-n-Shine applied to etched enamel and composite and light cured.

Provisional restoration before Seal-n-Shine.

Provisional restoration after application of Seal-n-Shine.

Photos left courtesy of Dr. C.H. Pameijer; photos right courtesy of Dr. Shradha Sharma and Dr. Gerard Kugel

Sparkle Diamond Polishing Paste

Sparkle produces a glaze-like high luster finish on porcelain, gold, composite, and metal. It does not splatter and washes off easily.

Learn more & dealer purchase link

SPARK	4 x 1.2 mL syringes
SPARK-3	3 mL syringe

Embrace™ WetBond™ Resin Cement

Moisture tolerant, self adhesive, dual cure, radiopaque

Product Overview

Embrace WetBond Resin Cement is moisture-tolerant and dual cure, and it seals against microleakage. This durable material releases phosphate and fluoride and protects crown margins. Embrace Cement is strong, insoluble, and has a long history of clinical success.

Available online: physical properties and dealer purchase link

EMCAR	Low viscosity automix syringe kit 7 gm cement + 20 automix tips
EMCMR	Medium viscosity automix syringe refill 7 gm cement + 20 automix tips
A20	Automix syringe tips, pkg. 20

EMCAR2	Low viscosity automix syringe refill 3.5 gm cement + 10 automix tips
EMCMR2	Medium viscosity automix syringe refill 3.5 gm cement + 10 automix tips

Compatible With the Moist Oral Environment

- The first self-adhesive resin cement that bonds to the slightly moist tooth
- Embrace forms bonds to dentin and enamel, precious and non-precious metals, ceramics, composites, and fiber posts.
- Retention value to zirconia copings of 29.32 kg compares favorably with the leading brands
- Medium viscosity ideal for crowns – Low viscosity for post cementation
- Contains no bis-GMA, no bisphenol A, no BPA derivatives

1.

Prepare teeth to receive restorations. Leave teeth slightly moist. No etching, silane, or bonding agents are required.

2.

Dispense cement directly into the restoration from the automix syringe.

3.

Seat the restoration, light cure 1-2 seconds, and remove excess cement.

4.

Final result

Photos courtesy of Dr. Christopher Ramsey

DenTASTIC™ UNO™

Fifth generation light-cure bonding agent

Learn more & dealer purchase link

Product Overview

DenTASTIC UNO is a single-component, light-cure adhesive for bonding to dentin, enamel, porcelain, metal, composite, and other resins. Use UNO for all direct bonding light-cure applications.

- Light-cure adhesive with dual-cure option
- Exceptional bond strength
- Total etch, wet-bonding technique

High Shear Bond Strength

DenTASTIC UNO	34.2 MPa
One-Step*	32.6 MPa
Prime & Bond 2.1*	31.8 MPa

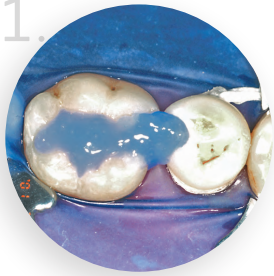
Testing performed at University of Texas Health Science Center at San Antonio.
**Not trademarks of Pulpdent Corporation*

DenTASTIC™ DUO™

Dual-cure catalyst for DenTASTIC UNO

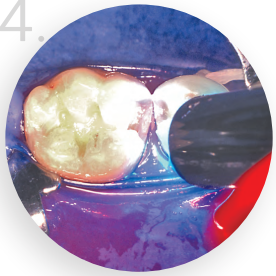
Use UNO plus DUO for indirect restorations, core build-ups, or whenever self-cure or dual-cure capability is indicated.

Learn more & dealer purchase link

1. 
Apply Etch-Rite to the cavity prep for 15 sec.

2. 
Rinse and leave dentin moist for wet-bonding technique.

3. 
Use DenTASTIC UNO for light cure, or UNO + DUO for self-cure or dual-cure applications.

4. 
Light cure for 10 sec.

Images courtesy Dr. C.H. Pameijer

UNO	2 x 6 mL UNO, 5 mL Etch-Rite, 20 applicator tips, 50 brush tips
UNDO	6 mL UNO, 3 mL DUO, 5 mL Etch-Rite, 20 applicator tips, 50 brush tips
UNO-R	6 mL bottle UNO
DUO	3 mL bottle DUO, dual-cure catalyst for UNO

Tuff-Temp™ Plus

Provisional crown and bridge material
Dual cure, snap set, fracture resistant

Product Overview

Tuff-Temp Plus is formulated with a patented rubberized-resin molecule that is more fracture resistant and ensures tighter fitting provisionals than can be achieved with acrylics and bisacrylics. Margins do not soften or distort when finishing.

Learn more & dealer purchase link

2021 REALITY Four Star Award ★★★★

Add-on and Glaze

Tuff-Temp Plus **Add-on** and **Glaze** are formulated with the same patented rubberized-resin chemistry and are ideal for making alterations, smile design cases, and enhanced esthetics and patient satisfaction.

"Rubberized urethane chemistry that results in increased fracture toughness sets Tuff-Temp Plus apart. Fracture toughness is especially important to me when fabricating provisional restorations for long-term placement during implant osseointegration or tissue healing after gingival surgery. Also, because provisional restorations for porcelain veneers are very thin and can easily break during fabrication or placement, Tuff-Temp Plus is my material of choice for these applications."

Dr. Robert Lowe

Features and Benefits

- Patented, tough, fracture-resistant, dimensionally stable resin
- Grinds and powders to crisp, accurate margins
- Finishing burs do not gum up and clog
- Remarkable tissue health even after long-term use
- Fluorescent under black lights
- Contains no bis-GMA, no bisphenol A, no BPA derivatives

The Perfect Fit

Tuff-Temp's tight fit and crisp, accurate margins help eliminate food traps, inflammation, staining, and sensitivity. The rubberized resin facilitates removal from crown preps that may have small undetected undercuts that lock in other provisional materials.

1. 

Fill matrix 3/4 full with Tuff-Temp Plus and seat in the mouth.

2. 

Removal time is 2 minutes from the beginning of the mix (approximately 75 seconds after insertion in the mouth).

3. 

Check the provisional restoration for marginal integrity.

4. 

The provisional is trimmed and polished but not yet glazed. Note the perfect margins.

5. 

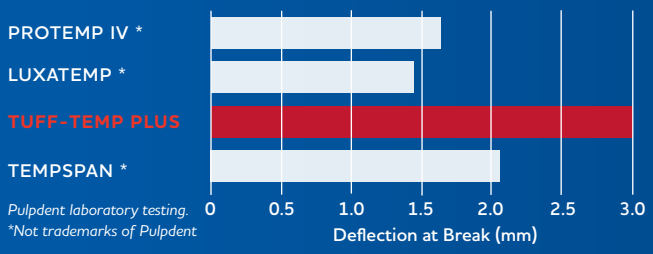
The 12-unit provisional is glazed and cemented into place. The margins and esthetics are exceptional.

6. 

Note the excellent tissue condition upon removal of the provisional four weeks later.

Fracture Resistance

Tuff-Temp Plus is significantly tougher and more fracture resistant compared to bisacrylics.



Pulpdent laboratory testing.
**Not trademarks of Pulpdent*

Physical Properties

Working time: 45 sec.

Light-cure setting time: 20 sec.

Initial self-cure setting time: 2 min. *from beginning of mix*

Final self-cure setting time: 4:45 min. *from beginning of mix*

Compressive strength: 200 (± 20) MPa

TTP*	76 gm / 50 mL cartridge, 1.2 mL Add-on, 3 mL Glaze + 20 automix tips ***Specify shade: A1, A2, A3, A3.5, B, B1**
TTP50*	76 gm / 50 mL cartridge + 10 automix tips *** Specify shade: A1, A2, A3 only**
TTP5*	7.6 gm / 5 mL syringe, 3 mL Glaze + 8 automix tips *** Specify shade: A1, A2, A3, A3.5, B, B1**

TTG	Glaze, 6 mL bottle
FSB20	20 automix tips for 50 mL cartridge
A20	20 automix tips for 5 mL syringe
DS50	Dispenser for 50 mL, 1:1 automix cartridge

Spee-Dee™ Build-Up

One-step post cementation and core build-up

Really Does Cut Like Dentin

Rotary instruments transition smoothly and accurately from dentin to Spee-Dee Build-Up without ditching, gouging, gumming up, or chattering

One Material for Cementation and Core Build Up

Ensures homogenous, one-piece internal mono-block structure

Saves time chairside

Moisture-tolerant Urethane Resin

Simplifies clinical technique in the moist oral environment

Contains no bis-GMA, no bisphenol A, and no BPA derivatives

Learn more & dealer purchase link

"Spee-Dee Build-Up enables me to use one material for two applications. I can create a solid core for a crown on a vital tooth, and I can cement a fiber post and do the core build-up in an endodontically treated tooth. Spee-Dee actually cuts like dentin using either an air-driven or electric handpiece. It flows easily into cracks and voids, and is ideal for repairing broken teeth, lost or fractured cusps, divots and defects in crown preparations, and even chipped crowns and bridges."

Dr. Howard S. Glazer

Indications

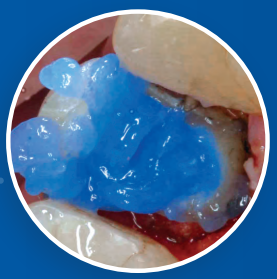
- Post and core build-up after endo
- Direct bonded core without a post
- Vital tooth build-up for crown prep
- Recementing loose post and core
- Base/liner under restorations

Physical Properties

Compressive strength: 40,625 psi / 280 MPa
Flexural strength: 14,065 psi / 97 MPa
Self-cure intraoral setting time at 37°C: 3:10 min.
Light-cure setting time: 20 sec.

1. 

After endodontic treatment, a premolar is prepared with two post holes.

2. 

To achieve highest bond strength, apply Etch-Rite to the post holes and the preparation for 15 seconds, rinse well, and lightly dry.

3. 

Apply UNO-DUO or your preferred bonding agent following manufacturer's instructions, and dispense Spee-Dee Build-Up into the post holes and around the preparation.

4. 

Insert the posts with a twisting, up and down motion to ensure uniform coverage of Spee-Dee Build-Up, and light cure for 20 seconds.

5. 

Apply Spee-Dee Build-Up around the posts and build the core to the occlusal level. Light cure.

6. 

After trimming and finishing, the post and core preparation is ready for an impression or digital scan.

SBU50	83 gm / 50 mL automix cartridge + 30 mix tips
SBU	42 gm / 25 mL automix cartridge + 20 mix tips

FD20	Automix tips + intraoral tips for cartridges, pkg. 20
F20N2	Automix tips, clear, with bendable 19-ga. metal cannula, pkg. 20

DS24	Dispenser for 25 mL, 1:1 Automix cartridge
DS50	Dispenser for 50 mL, 1:1 Automix cartridge

Core Forms

Pulpdent core forms are transparent, clear polyethylene for light cure. They will not stick to core material. A tab on top and tapered sides make for easy pickup and retrieval. A reference ring ensures accurate trimming.

HCF-AS	Box of 64 assorted core forms, 16 each size: S, M, L, XL
HCF-	Box of 64 core forms, all one size: S, M, L or XL ***Specify size: 1 = small, 2 = medium, 3 = large, 4 = x-large***

Etch-Rite™

38% phosphoric acid etch gel

Learn more & dealer purchase link

Product Overview

Etch-Rite is a soft, thixotropic blue gel with handling characteristics most preferred by clinicians. It provides the optimal etch pattern on dentin and enamel surfaces to ensure mechanical retention of bonding agents, restorative resins, and resin cements.

- Dispenses through small-gauge needles
- Stays where placed
- Washes off with ease

THE INDUSTRY STANDARD FOR DECADES

More than 20,000,000 applications every year

Available in a wide variety of packaging options

ETCH	4 x 1.2 mL / 1.6 gm syringes + 8 tips
ET-6	6 ml / 8.3 gm syringe
ET-12	12 mL / 16.6 gm syringe
ET-24	24 x 1.2 mL syringes
ET-TWIN	2 x 3 mL syringes + 25 tips

ET-50	2 x 25 mL syringes (65 gm), + 5 x 3 mL empty syringes + 50 tips
ET-50R	2 x 25 mL syringes (65 gm)
25B20	Light blue, 25 ga. x 1/2″, pre-bent tips, pkg. 20
25B50	Light blue, 25 ga. x 1/2″, pre-bent tips, pkg. 50
25B100	Light blue, 25 ga. x 1/2″, pre-bent tips, pkg. 100

Etch-Royale™

37% phosphoric acid etch gel

Learn more & dealer purchase link

Product Overview

For clinicians who prefer a creamier gel that readily settles into dentin and enamel but does not run, Etch-Royale is the perfect choice. The darker blue color is easier to see in thin applications. Etch-Royale has all the same features as Etch-Rite, but the consistency is slightly creamier than its famous sister product.

- Creamy, thixotropic consistency
- Dark blue color
- Washes off easily

ER	4 x 1.2 mL / 1.6 gm syringes + 20 tips
ER24	24 x 1.2 mL syringes

ER50	2 x 25 mL syringes (65 gm) + 5 x 3mL empty syringes + 50 tips
ER50R	2 x 25 mL syringes (65 gm)

Porcelain Etch Gel

9.6% hydrofluoric acid

Product Overview

- Prepares ceramic surfaces for bonding
- Does not stain ceramics or composites
- Superior quality gel and syringe delivery ensure precise placement

Learn more & dealer purchase link

SEM images taken **before and after** etching demonstrate the effectiveness of a **one-minute application** of Pulpdent Porcelain Etch Gel on a glazed porcelain surface (500x).

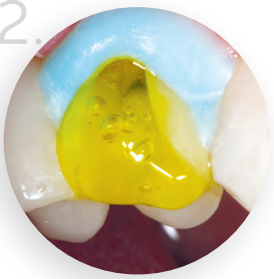
SEM shows glazed porcelain surface **before** treatment.

SEM shows glazed porcelain surface **after** one-minute treatment with Pulpdent Porcelain Etch Gel. Note the microscopic tags in the porcelain surface.

1.

This fractured PFM crown can be repaired intraorally. Always etch porcelain surfaces of crowns, inlays, and veneers prior to bonding.

2.



Apply Pulpdent Porcelain Etch Gel to ceramic surface. The exposed metal surface should be abraded with a fine diamond. Note placement of Kool-Dam (blue) to protect soft tissue.

PEG	4 x 1.2 mL / 1.4 gm syringes + 8 applicator tips
PEG-3	3 mL / 3.5 gm syringe

25B20	Light Blue, 25 ga. x 1/2″, pre-bent tips, pkg. 20
25B50	Light Blue, 25 ga. x 1/2″, pre-bent tips, pkg. 50

Porcelain Prep Kit

Economical kit for preparing porcelain surfaces for bonding

Learn more & dealer purchase link

Porcelain Etch Gel
9.6% hydrofluoric acid gel for etching ceramics and composites

Silane
Increases the bond strength of composites and resin cements to ceramics

Dry-Rite
For chemical drying of etched porcelain surface prior to applying silane

Kool-Dam
Heatless, light-cure liquid dam and block-out resin for protecting soft tissues

PPK	Kit: 1.2 mL syringe each: Porcelain Etch Gel, Kool-Dam, Silane, and Dry-Rite + 12 tips

Silane

For bonding composites and resin cements to porcelain

Learn more & dealer purchase link

Product Overview
Silane acts as a bridge between organic resin materials and inorganic ceramics.

- Apply Silane to etched porcelain.
- Strengthens bond of resin to ceramic
- Single-component material

SIL	4 x 1.2 mL / 0.95 gm syringes Silane + 8 applicator tips
SIL-3	3 mL / 2.38 gm syringe

22DR15	Dark blue, 22 ga. x 1/2" pre-bent red dropper tips, pkg. 15
22DR75	Dark blue, 22 ga. x 1/2" pre-bent red dropper tips, pkg. 75

Embrace™ WetBond™
Restoration & PFM Repair Kit

Multifunctional repair kit

Product Overview

A complete repair system that primes, protects, opaques, polishes and seals.

- Compatible with all restorative composites
- No solvents, no modifiers, no mixing, no mess
- Cures with all curing lights

Porcelain Etch Gel

9.6% hydrofluoric acid gel for etching ceramics and composites

Kool-Dam

Heatless, light-cure liquid dam and block-out resin for protecting soft tissues

First-Coat

One-step, resin-based, light-cure primer for ceramic and metal

Embrace WetBond Opaquer

A thin film neutralizes discolored tooth and restorative surfaces. Cures in 20 seconds.

Seal-n-Shine

Penetrates and seals margins and leaves a glaze-like finish on restored surfaces.

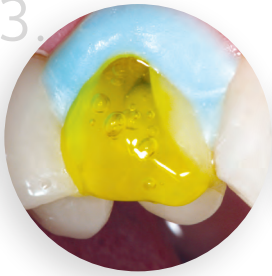
Learn more & dealer purchase link

1. 

Fractured porcelain.

2. 

Apply Kool-Dam to protect gingiva and adjacent porcelain. Microabrade exposed metal.

3. 

Apply Porcelain Etch Gel to the porcelain for one minute or according to the instructions for the ceramic substrate.

4. 

Apply First-Coat to etched porcelain and abraded metal surface, thin lightly with air, and light cure.

5. 

Apply Embrace Opaquer to the metal surface. Apply composite, finish, polish, and apply Seal-n-Shine for perfect results.

Images courtesy Dr. C.H. Pameijer

First-Coat
Learn more & dealer purchase link

EMPFM	1.2 mL syringe each: First-Coat, Seal-n-Shine, Embrace WetBond Opaquer, Porcelain Etch Gel, Kool-Dam + accessories		
EMFC	1.2 mL syringe First-Coat + 10 flocked tips	**EMO***	2.1 gm / 1.2 mL syringe Embrace WetBond Opaquer in bleach white, off-white, or pink (1 = bleach white, 2 = off-white, 4 = pink)

Opaquer
Learn more & dealer purchase link

Pulpdent Calcium Hydroxide Pastes

for Root Canal Therapy and Vital Pulp Therapy

Pulpdent patented and introduced the first pre-mixed calcium hydroxide aqueous-methylcellulose pulpal dressing in 1947. It was named **Pulpdent Paste**.

Multi-Cal and **TempCanal Enhanced** are water-based pastes similar to Pulpdent Paste but with different viscosities and dispensing systems.

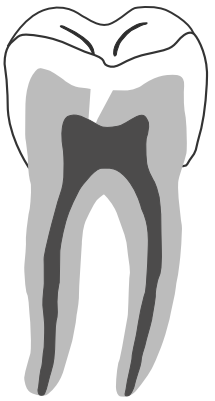
Forendo Paste contains calcium hydroxide and iodoform in a silicone oil base.

Vital Pulp Therapy

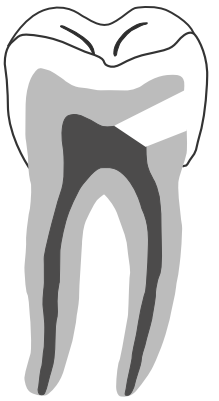
Dentin bridge formation

When placed on the exposed or amputated pulp, a new dentin bridge can usually be seen radiographically in 1–3 months. Place a hard base over the calcium hydroxide pulpal dressing for compressive strength.

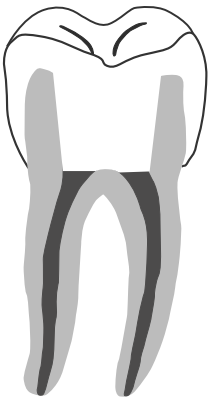
Indications include:



Direct pulp capping



Pulpal curettage

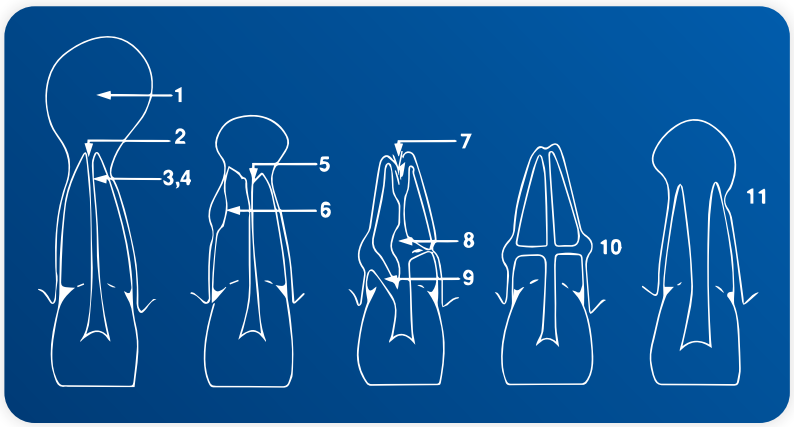


Vital pulpotomy

Root Canal Therapy

Pulpdent Paste, Multi-Cal, and TempCanal Enhanced are renowned for their use in root canal therapy both as an intracanal dressing between office visits and for extended use to treat complicated cases.

- Treats abscesses, periapical lesions, root fractures and perforations
- Treats traumatic injuries, avulsed and luxated teeth
- Discourages traumatic root resorption
- Stimulates hard tissue formation

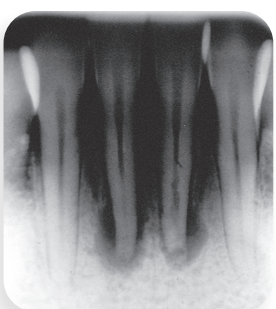


Heithersay GS. Calcium hydroxide in the treatment of pulpless teeth with associated pathology. J Brit Endo Society 1975:8(2);74-93.

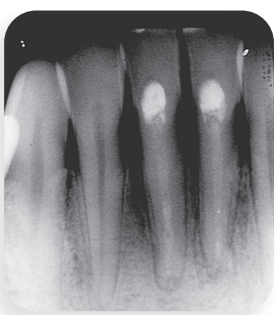
1. Exudation control: pus, hemorrhage and weeping canals
2. Abscesses and periapical lesions
3. Antibacterial intracanal dressing
4. Temporary root filling
5. Apical inflammatory resorption
6. Inflammatory resorption following trauma
7. Apical internal resorption
8. Internal-external root resorption
9. Root perforations
10. Transverse root fractures
11. Apexification in incompletely developed pulpless teeth

Treatment of Abscessed Teeth with TempCanal

Four months after an auto accident in which her chin hit the steering wheel, the patient presented with painful loose lower central incisors. The case was treated immediately by removing the pulps and placing TempCanal.

1. 

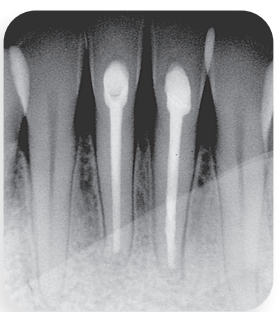
Radiograph shows abscessed teeth with considerable bone loss.

2. 

Six months after root canal therapy and treatment with TempCanal Enhanced, radiograph shows bone filling in.

3. 

One-year follow-up shows complete bone fill and obturation with Pulpdent Root Canal Sealer.

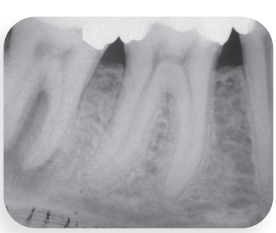
4. 

Radiograph taken nine years after final filling shows long-term success.

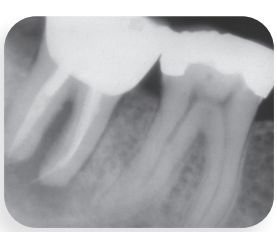
Images from Save that Tooth *by Dr. Harold Berk*

Reversing Root Canal Failures

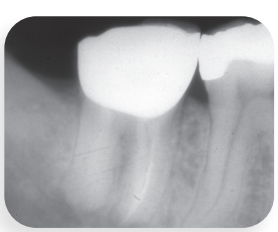
Six years after root canal therapy, a patient presented with a large periapical lesion. This tooth can be saved.

1. 

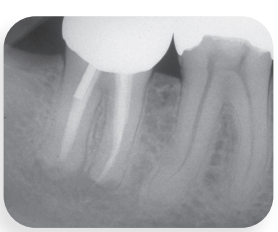
Pre-operative radiograph shows large periapical lesion with furcation involvement. (1979)

2. 

Six years after root canal treatment, a radiograph shows that the periapical lesion is even worse. (1985)

3. 

The crown, post, and gutta percha were removed, and the canals were filled with TempCanal Enhanced. Radiograph taken nine months after treatment shows complete bone fill. (1986)

4. 

Radiograph taken nine years after final filling shows long-term success. (1998)

Pulpdent® Paste

Non-setting, all-purpose calcium hydroxide paste

Learn more & dealer purchase link

Product Overview

- For root canal therapy and vital pulp therapy
- Thick paste, 40% (±2%) calcium hydroxide
- Dispenses through 18-gauge x 1" applicators
- Easily removed from canals with file and irrigation
- Radiopaque, water-based paste, pH > 12

PSYK	3 mL syringe + 24 applicator tips (18 ga. x 1")	**PSY**	3 mL syringe

Multi-Cal™

Non-setting, all-purpose calcium hydroxide paste

Learn more & dealer purchase link

Product Overview

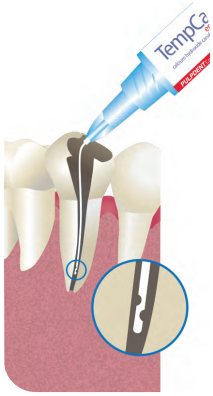
- For root canal therapy and vital pulp therapy
- Creamy paste, 40% (±2%) calcium hydroxide
- Dispenses through 22-gauge x ½" applicators
- Easily removed from canals with file and irrigation
- Radiopaque, water-based paste, pH > 12

MULTI	4 x 1.2 mL syringes + 8 applicator tips (22 ga. x 1/2")	**22D20**	Dark blue, 22 ga. x 1/2", pre-bent tips, pkg. 20
MULTI-3	3 mL syringe	**22D100**	Dark blue, 22 ga. x 1/2", pre-bent tips, pkg. 100

TempCanal™ Enhanced

Temporary calcium hydroxide canal treatment paste

Learn more & dealer purchase link



Product Overview

- Non-setting paste for root canal therapy
- Non-drying formula extends shelf life
- Creamy paste, 40% (±2%) calcium hydroxide
- Flows through 27-gauge x 1" (25 mm) endo irrigation needle
- Blunt-end, side-vent irrigation needles for precise placement
- Easily removed from canals with file and irrigation
- Radiopaque, water-based paste, pH > 12

TEK	3 mL syringes + 12 endo irrigation needles (27 ga. x 1", 2-side-vent)	**TE3**	3 mL syringe
TE4	4 x 1.2 mL syringes + 20 endo irrigation needles (27 ga. x 1", 2-side-vent)	**TE20N**	27 ga. x 1" (0.4 mm x 25 mm), two side-vents, pkg. 20

Forendo™ Paste

Calcium hydroxide with iodoform for root canal therapy

Learn more & dealer purchase link

Product Overview

- Non-setting silicone oil-based paste
- The strong action of iodoform plus the benefits of calcium hydroxide
- Powerful treatment for complicated cases
- Intracanal dressing for routine use between office visits
- Radiopaque

FORE	2.2 gm syringe + 20 applicator tips

EDTA

To facilitate the instrumentation of root canals and for smear layer removal

Clinical Overview

EDTA (ethylenediaminetetraacetic acid) materials are chelating agents that decalcify and soften canal walls, making it easier to enlarge and shape canals with files and reamers.

EDTA 17% Solution

Learn more & dealer purchase link

Key Features

- Economical liquid solution
- Buffered to a neutral pH
- Applied with a syringe or pipette

EDTA-30	30 mL bottle	**EDTA-120**	120 mL bottle
EDTA-60	60 mL bottle	**EDTA480**	480 mL bottle

Prep-Rite™ RC

Learn more & dealer purchase link

Features and Benefits

- 15% viscous EDTA paste with lubricant and peroxide
- Designed for picking up on files or filling the access cavity
- Peroxide provides an effervescing action
- Lubricant helps prevent binding and breaking of files
- Buffered to a neutral pH
- Rinses out easily with irrigation

PRC 4 x 5 gm syringes

File-Rite™

Learn more & dealer purchase link

Features and Benefits

- 17% EDTA semi-gel with lubricant
- Dispenses directly into canal through 30 ga. x 1" / 2.5 cm applicators
- Lubricant helps prevent binding and breaking of files
- Buffered to a neutral pH
- Rinses out easily with irrigation

FILE 4 x 5 gm syringes + 50 each 30 ga. x 1" applicator tips

30F50 Orange, 30 ga. x 1", straight applicator tips, pkg. 50

Pulpdent® Root Canal Sealer

Modified zinc-oxide eugenol formula for primary and permanent teeth

Pulpdent Root Canal Sealer meets ANSI/ADA specification 57 for endodontic filling material.

Features

- Tissue compatible
- Radiopaque
- Does not shrink upon setting
- Resorbs with roots of deciduous teeth
- Can be drilled for a post

Powder
Zinc oxide, zinc stearate, calcium phosphate, barium sulfate

Liquid
Eugenol, Canada balsam

Learn more & dealer purchase link

Compatible with all permanent filling techniques

- Pressure Syringe® technique
- Together with solid core
- Paste filler / Lentulo
- Lateral condensation

RK	Root Canal Sealer Kit: 15 cc powder, 7.5 mL liquid, mixing pad, scoop

Pulpdent® Pressure Syringe®

Endodontic syringe fills the apex first

Learn more & dealer purchase link

PSK	Pressure Syringe, 30 assorted needles, Pulpdent Root Canal Sealer Kit, Wonder Orange cleaning solution
PS-O	Pressure Syringe

Snoop™

Caries detecting dye

Product Overview

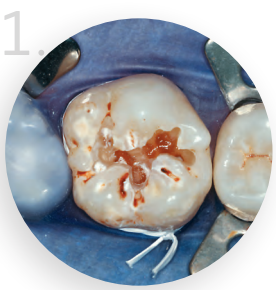
A 10-second application of Snoop stains outer infected carious dentin, which is infused with bacteria and should be removed. Clinicians can preserve inner affected dentin—which is not stained in 10 seconds, not infused with bacteria, and capable of remineralizing—and should not be removed.

Learn more & dealer purchase link

Key Features

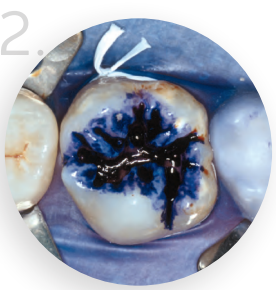
- An important tool for conservative dentistry
- Dark blue color provides strong contrast to dentin and the pulp
- Distinguishes outer infected dentin from inner affected (uninfected) dentin in 10 seconds

1.



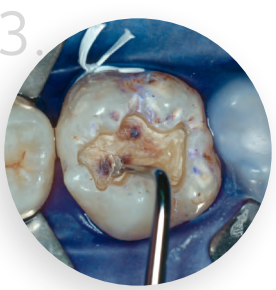
Tooth shows obvious occlusal caries.

2.



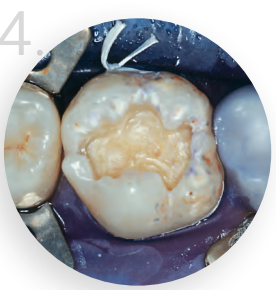
After removing obvious caries, apply Snoop for 10 sec.

3.



Rinse and remove only the stained infected dentin.

4.



Reapply Snoop and rinse. No further staining means no remaining infected dentin.

Images courtesy Dr. C.H. Pameijer

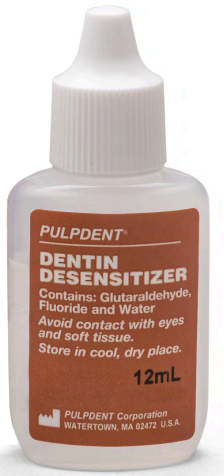
SNOOP	12 mL bottle

Dentin Desensitizer

5% glutaraldehyde in water with fluoride

Product Overview

Dentin Desensitizer contains 5% glutaraldehyde in water with fluoride added to enhance stability. It is compatible with adhesives and composites as well as traditional cements, and it does not interfere with bonding.



Learn more & dealer purchase link

Key Features

- For application to all dentin surfaces
- Compatible with adhesives, composites, and traditional materials
- Does not interfere with bonding

DES 12 mL bottle

Wonder Orange™

100% natural citrus essences – Cleans surfaces, instruments, and skin

Product Overview

For removing zinc oxide dental cements, impression materials, and waxes from vinyl furniture, face, and hands. Also used for cleaning the Pulpdent Pressure Syringe. No artificial ingredients.

Learn more & dealer purchase link

WO-8 Wonder Orange, 8 oz. / 236 mL

Kool-Dam™

Heatless liquid dam and block-out resin, light cure

Product Overview

Apply Kool-Dam on the gingival or tooth surface and light cure prior to bleaching, sandblasting, applying porcelain etch gel, or other procedures requiring intraoral protection. Also use Kool-Dam to block out undercuts prior to taking impressions.

Learn more & dealer purchase link

"As a rubber dam fan, Kool-Dam is the best ally for isolating complex cases. Sometimes placing a clamp and a regular rubber dam is impossible, and even if placed, fluids can appear. Kool-Dam is my wingman in my bonding procedures and makes my isolation just perfect."

Dr. Delfín Barquero

Key Features

- Does not produce heat when cured – Ensures patient comfort
- Remains rubber-like and flexible after curing
- Tear resistant – Easily removed

1.

Kool-Dam is placed to protect the gingiva. It light cures in 20 sec.

2.

Kool-Dam is placed to protect soft tissue prior to bleaching.

3.

Kool-Dam is placed on the model prior to making a custom bleaching tray.

PD	2 x 3 mL syringes, + 10 pre-bent tips, 18 ga., + 10 pre-bent tips, 20 ga.
PDB	Bulk pack: 10 x 3 mL syringes

18G20	Green, 18 ga. x 1/2″, pre-bent tips, pkg. 20
20L20	Pink, 20 ga. x 1/2″, pre-bent tips, pkg. 20

Applicator Tips

All items on page 50 are luer lock applicator tips.

Learn more & dealer purchase link

File-Rite

Orange, 30 ga. x 1″, straight tips

30F50	pkg. 50
30F100	pkg. 100

Etch-Rite
Etch Royale
Porcelain Etch Gel

Light blue, 25 ga. x 1/2″, pre-bent tips

25B20	pkg. 20
25B50	pkg. 50
25B100	pkg. 100

Embrace WetBond Pit & Fissure Sealant

Red, 23 ga. x 1/2″, pre-bent tips

23R20	pkg. 20
23R100	pkg. 100

Multi-Cal

Dark blue, 22 ga. x 1/2″, pre-bent tips

22D20	pkg. 20
22D100	pkg. 100

Embrace WetBond Pit & Fissure Sealant

Black, 22 ga. x 1/2″, pre-bent tips

22K20	pkg. 20
22K100	pkg. 100

Silane Dry-Rite

Dark blue, 22 ga. x 1/2″, pre-bent red dropper tips

22DR15	pkg. 15
22DR75	pkg. 75

Kool-Dam Lime-Lite Enhanced

Pink, 20 ga. x 1/2″, pre-bent tips

20L20	pkg. 20
20L100	pkg. 100

ACTIVA Presto Kool-Dam

Black, 19 ga. x 1/2″, pre-bent tips

19K20	pkg. 20
19K100	pkg. 100

Kleer-Veneer Kool-Dam

Green, 18 ga. x 1/2″, pre-bent tips

18G20	pkg. 20
18G100	pkg. 100

TempCanal Enhanced

27 ga. x 1" (0.4 mm x 25 mm), 2 side-vents, blunt end

TE20N	pkg. 20
TE50N	pkg. 50
TE100N	pkg. 100

Automix Tips

Automix syringe tips fit all standard 2.5 mL, 5 mL, and 10 mL double-barrel 1:1 syringes.
Automix cartridge tips fit all standard 25 mL and 50 mL double-barrel 1:1 and 2:1 cartridges.

Tuff-Temp Plus
Embrace Resin Cement
ACTIVA BioACTIVE CEMENT
Automix syringe tips, straight, tapered, light safe black mixer

A20 pkg. 20
A50 pkg. 50

ACTIVA BioACTIVE RESTORATIVE BASE/LINER CEMENT
Automix syringe tips, clear, with bendable 20 ga. metal cannula

A20N1 pkg. 20
A50N1 pkg. 50

Multiple Uses
Automix syringe tips, clear + long narrow intraoral tips (IOR)

AD20R pkg. 20
AD50R pkg. 50

Multiple Uses
Automix syringe tips, clear + short intraoral tips (IOT)

AD20T pkg. 20
AD50T pkg. 50

Multiple Uses
Automix syringe tips, clear, straight, tapered

AS20 pkg. 20
AS50 pkg. 50

ACTIVA BioACTIVE Bulk Flow
Automix syringe tips, clear, with bendable 19 ga. metal cannula

T20G19 pkg. 20

Embrace Seal-n-Shine
Embrace First-Coat
Dark blue, 25 ga. x $\frac{1}{2}$", all-plastic with flocked tips, luer lock

P2520 pkg. 20
P25100 pkg. 100

Spee-Dee Build-Up
Automix cartridge tips with bendable 19 ga. metal cannula

F20N2 pkg. 20

Spee-Dee Build-Up
Automix cartridge tips + intraoral tips, light-safe black mixer

FD20 pkg. 20

Tuff-Temp Plus
Automix cartridge tips, straight, tapered, light-safe black mixer

FSB20 pkg. 20

Flecta™

Disposable mirrors

Product Overview

Flecta's high quality and low single-use cost make it easy to use a bright, flawless, double-sided mirror every time. No more scratches or blotches. Flecta has a variety of uses, including in-office dentistry, mobile dentistry, patient home care, and patient education. Flecta is made at Pulpdent's factory in Watertown,

Learn more & dealer purchase link

Advantages

- Highest quality single-use mirror
- 40% larger viewing surface
- Removable protective film protects mirror surface
- Lightweight comfort handle
- Tongue guard, cheek retractor, patient take-home gift

40% more viewing area, plus no more scratches or blotches

Expanded posterior view using Flecta disposable mirror

FLEC Box of 200

Mixing Wells

Compatible with all solvents, bonding agents, and dental materials

Economical bulk packs available

Learn more & dealer purchase link

Product Overview

- Available in 2-well and 4-well styles
- Perforated sheets for convenient handling and storage
- Made from high molecular weight polymer
- Made in USA

MW-2 2-well style, box of 480

MW-4 4-well style, box of 420

Pic • n • Stic™

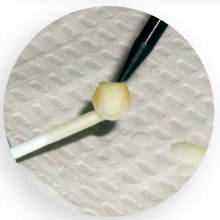
A handle for small objects

Learn more & dealer purchase link

Product Overview

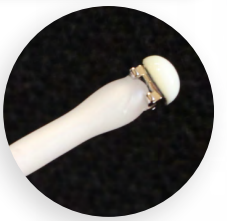
Pic-n-Stic has numerous applications from dentistry to model-making to replacing hearing aid batteries. Apply light pressure to pick up small items for easier handling and placement.

- 2" long, 2 mm in diameter
- Adhesive tip on one end
- Twist stick gently to release



Embrace Resin Cement is placed on an inlay seated on a Pic-n-Stic.

Assists with picking up inlay.



Assists with an orthodontic bracket.

PIC	Box of 60

Brush Tips & Handles

Application accessories

BR	Brush tips, 24 mm length, bag of 100
BRL	Brush tips, 24 mm length, bag of 500 + 2 handles
HAN	Brush handles (random colors), 5" length

Learn more & dealer purchase link

T-Bands™

Self-contained matrix bands

Product Overview

- **Soft, adaptable brass** or **stainless steel**, 0.002"/0.05mm thick
- Available **straight, curved, narrow** (5/32"), **wide** (1/4"), and **assorted**
- Matrix retainers are not required
- Especially popular for pediatric dentistry

Learn more & dealer purchase link

BTBS/N	Brass Straight /Narrow (5/32") Box of 100	**BTBC/N**	Brass Curved/Narrow (5/32") Box of 100
BTSS/N	Stainless Straight /Narrow (5/32") Box of 100	**BTSC/N**	Stainless Curved/Narrow (5/32") Box of 100

Most popular codes shown. Also available wide (1/4"). See online for complete offering.

PerioCare™

Periodontal dressing

Product Overview

PerioCare is a two-paste, highly elastic periodontal dressing that sets resiliently hard and does not chip or fall apart in the mouth.

- Non-eugenol formula is kind to the tissues
- Soft tissues appear clean and healthy upon removal of dressing
- Patient-pleasing neutral taste
- Vegetable oil base with metal oxide

Learn more & dealer purchase link

PC	90 mL tube paste, 90 mL tube gel, mixing pad

Mini-Bowls

Product Overview

- Nonstick silicone bowls for mixing acrylic
- Suction cup at bottom holds to the table
- Sterilize by any method

Learn more & dealer purchase link

B-MS3	Small, 8 cc, set of 3 (1" diameter)
B-MM2	Medium, 30 cc, set of 2 (1.625" diameter)
B-ML	Large, 80 cc, one each (2.25" diameter)
B-MA	Assorted: 2 small, 1 medium, 1 large

Code Rings

Product Overview

- Medical-grade silicone
- Sterilize by any method
- 11 colors

Learn more & dealer purchase link

Standard size: 1/8" ID, 1/8" wide

CR*	Pkg. 100
CR*-50	Pkg. 50, all one color

Large size: 7/32" ID, 5/32" wide

CR-ASL	Pkg. 60, 7 assorted colors
CR*-60L	Pkg. 60, all one color (1–6 and 9 only)

**Specify color: 1 = white, 2 = yellow, 3 = blue, 4 = red, 5 = green, 6 = black, 7 = gray, 8 = brown, 9 = orange, 10 = mauve, 11 = pink, AS = Assorted*

Dear Friends in Dentistry,

More than a decade after the introduction of the ACTIVA BioACTIVE product family, we continue to celebrate what it represents for restorative dentistry and for the patients we serve. We now have more than 12 years of clinical data that validates ACTIVA's long-term success. It's evidence that working with the natural tooth structure and the dynamic oral environment can and will fulfill the mission of our founder, Dr. Harold Berk, to Save That Tooth.*

The introduction of ACTIVA BioACTIVE in 2014 brought together several technologies to help advance Dr. Berk's mission. Today, his spirit of innovation continues with dentists' rapid adoption of ACTIVA BioACTIVE Bulk Flow. This newest member of the ACTIVA family incorporates lessons from our many years of research and development in restorative technology. It is a natural complement to our existing ACTIVA products, allowing dentists to choose the product handling they prefer without sacrificing bioactive benefits. In this way, we continue to respect the delicate balance between the science of product performance and the art of provider technique.

As dentistry continues to move forward, we are especially proud of the things that have remained constant at Pulpdent: our mission, our quality, and our people. We conduct all operations in Massachusetts, from research & development to manufacturing & distribution. We are also proud to remain both family-owned and made in the USA.

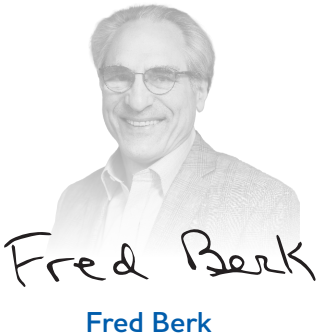
Each year, we welcome dentists and hygienists like you to our campus in Watertown. Next time you are in the area, we would love to show you around. For three generations and over 75 years, our company has grown thanks to your support. You and your peers make the conscious choice to prioritize patient outcomes and quality care. We know you have many options in the materials you select, and we understand that the real-world demands of dental practice put pressure on us all. We thank you for continuing to choose Pulpdent and, in doing so, helping to make a higher standard of care possible. No matter what new challenges present themselves, we know we can continue to advance dentistry together.

Keep smilin',

The Berk Family

*Learn more about *Save That Tooth*, a clinical review by Dr. Berk, at pulpdent.com/save-that-tooth-overview.

Don Berk



Fred Berk

Lew Berk

Julia Berk Pirro

PULPDENT®
ADVANCING DENTISTRY TOGETHER™

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CAT–2026-Presto-NP