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PULPDENT CORPORATION

Sealant Update

Pulpdent Fulfills Public Health Commitment of 60,000 Sealants



To honor its 60th anniversary in 2007, Pulpdent announced that it would sponsor Oral Health America by providing 60,000 sealants for underserved children as part of the National Sealant Alliance's Smiles Across America program.

Pulpdent has now fulfilled its commitment to OHA and looks forward to continuing its support of OHA and other

public Health initiatives in 2008 and beyond.

Pulpdent donated Embrace® WetBond™ Pit and Fissure Sealant, the first sealant that bonds to the moist tooth, along with Etch-Rite™ dental etching gel and Flecta Disposable Mirrors.

Pulpdent has long supported public health initiatives and community sealant programs for children. The company's founder, Dr. Harold Berk, was a professor of Pediatric Dentistry at Tufts University School of Dental Medicine for 59 years. Children's dentistry is part of the company's legacy.

"We were pleased to donate

one thousand sealants for each of our 60 years," says Fred Berk, Vice President. "in addition to this important preventive measure, there is a teaching component as well. Parents and children will learn about oral hygiene and caries prevention. We tend to forget that caries is the most prevalent disease among children, and much of it can be prevented."



Moisture Tolerant Embrace WetBond Pit and Fissure Sealant Shows Long-term Success



Pulpdent introduced Embrace WetBond Pit and Fissure Sealant in 2002. Embrace is hydrophilic. It is the first sealant that bonds to the moist tooth, taking advantage of the moisture that is always present in the mouth.

Initial studies conducted in the U.S. and Europe indicated that Embrace penetrated deeper into the fissures and showed less microleakage than traditional

hydrophobic sealants.

A longitudinal clinical study was launched in May 2002 to evaluate the effectiveness of Embrace WetBond sealant in a real-life clinical setting in a busy pediatric dental practice. No children were screened out of the study. Even patients with poor oral hygiene and dietary habits were included.

A two-year report issued in 2005 showed unsurpassed results. A total of 1102 teeth were sealed, and after a minimum of two years, none of the 1102 teeth had developed caries on the sealed occlusal surfaces.

A five-year report is expected later this year.

Shows slightly moist tooth.



When applying Embrace WetBond Pit and Fissure Sealant, leave the tooth surface slightly moist.

Slightly moist tooth surfaces exhibit neither dryness nor pooling of water. Lightly dry and remove excess water with compressed air or a cotton pellet. Tooth surfaces should be shiny or glossy.

After 5 years dentists and hygienists agree

BEST SEALANT EVER



NEW!
Unit Dose
Packaging



EMBRACE™ WetBond™ Pit & Fissure Sealant

Light Cure • Fluoride Releasing • Radiopaque

- Bonds to the moist tooth
- Exceptional marginal seal
- Eliminates microleakage
- Margin-free

“IT’S AN ABSOLUTELY SENSATIONAL PRODUCT!”

John D. Doykos III, DMD, MSD

**“MOIST FIELD PLACEMENT INCREASES
SUCCESS AND REDUCES FRUSTRATION.”**

Peggy Yamagata, RDH, MED

“VIRTUALLY UNDETECTABLE MARGINS.”

Dental Advisor 2004;21(8)

**“[SEALANTS] LOOKED THE SAME AS THEY
DID THE DAY WE PLACED THEM.”**

RDH 2006;26(7):58-60

“BONDS UNDER ADVERSE CONDITIONS.”

Reality 2006

“MARGINS ARE INCREDIBLY SMOOTH.”

Dental Advisor 2004;21(8)

“100% CARIES FREE.”

RDH 2006;26(7):58-60



Apply Etch-Rite for 15 seconds.



Apply Embrace WetBond Pit & Fissure Sealant to the slightly moist tooth.



After curing, the margin is undetectable with an explorer.

Photos courtesy of Dr. Christopher Ramsey

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EMBRACE™ WETBOND™

MOISTURE TOLERANT PIT AND FISSURE SEALANT FOR THE MOIST ORAL ENVIRONMENT



Did you know that enamel contains about 4% water and dentin about 15% water?

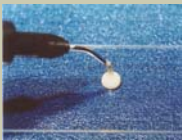
Traditional resins are based on Bis-GMA and urethane dimethacrylate (UDMA) monomers that are hydrophobic, repel water and require a dry environment.

This is not convenient in the mouth.

EMBRACE WetBond Pit and Fissure Sealant is hydrophilic, moisture tolerant and forms a positive association with water, taking advantage of the moisture that is always present in the mouth.

EMBRACE is Hydrophilic

It's water friendly. It even mixes with water. In fact, water activates the Embrace resin chemistry enabling it to better integrate with tooth structure. **When placing EMBRACE, leave tooth surfaces slightly moist.**



A drop of Embrace Pit & Fissure Sealant is placed on a glass slide.



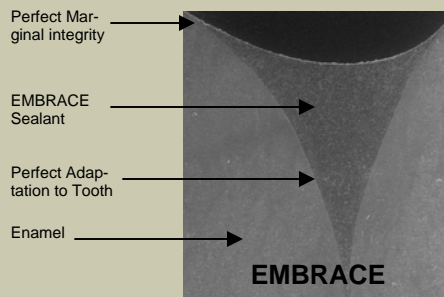
A drop of water is placed next to Embrace.



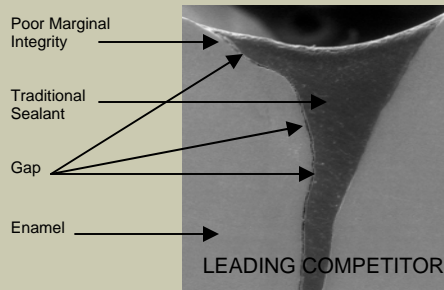
Embrace mixes with the water.

EMBRACE: Tooth Integrating, margin-free

Embrace forms an intimate association with the moist tooth, creating a unique margin-free interface with tooth structure that eliminates microleakage.



SEM shows Embrace Pit & Fissure without bonding agent. Note smooth margin and extraordinary adaptation of the sealant to the tooth.



SEM shows leading competitor's traditional pit and fissure sealant, Note large gap between the sealant and the tooth.

"It's amazing. I can't find the margin."

After curing Embrace, clinicians report they cannot find the margin with an explorer. Embrace is margin-free and is perfectly adapted to the anatomy of the tooth providing an exceptional seal against microleakage

"Margins are incredibly smooth , , . virtually undetectable."

Dental Advisor 2004;21(8)



Nothing is Faster or Easier



Clean, isolate, etch tooth for 15 seconds. Rinse. Remove excess water. LEAVE TOOTH SLIGHTLY MOIST.

Apply Embrace sealant on the slightly moist tooth surface.

Light cure.



The Sealant that **Bonds to** **Moist** **Teeth** Is Also **Long Lasting**

If you're one of the 1,000s of dental professionals who know **EMBRACE™ WetBond Pit & Fissure Sealant** is easier to apply because it bonds to moist tooth surfaces, provides a better seal and is long lasting, you're on top of your profession.



Now after five years of clinical use, **EMBRACE Sealant** sets a new standard of success – intact margins, no leakage, no staining, caries-free.

Five-year followup photo
photo courtesy of Joseph P. O'Donnell, DMD

One call can bring a smile to your face and your patients:

- ✓ Long lasting
- ✓ Easy to apply – only sealant that bonds in a moist field
- ✓ Margin-free seal
- ✓ Fast light cure
- ✓ Fluoride releasing



For technical information
contact Pulpdent at
800-343-4342

Order through your dental dealer.

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