



Ionosit Baseline

Create Gap-Free Restorations



DARBY DENTAL SUPPLY, LLC



Create Gap-Free Restorations

Ionosit Baseline prevents micro-gaps, the leading cause of microleakage before they happen.

It's a fact of life that composites undergo polymerization shrinkage. We rely on adhesives to maintain a strong gap-free bond between composite and dentin, but that doesn't always happen.

Ionosit Baseline employs patented *controlled expansion* technology to reduce the post-polymerization stress which leads to leakage, post-op sensitivity and recurrent decay.

Good Reasons To Use Ionosit Baseline:

- Unique compensation for polymerization shrinkage stress through controlled expansion
- Low flexural modulus for even more stress reduction
- Fluoride release
- Antibacterial Properties from zinc
- No complicated handmixing
- Protects the pulp
- Seals the dentinal tubules
- Prevents postoperative sensitivity
- Radiopaque



Functionality

Ionosit Baseliner combines the optimum properties of glass ionomers and composites in one material. Ionosit Baseliner expands by approximately 1% and this expansion counteracts the polymerization shrinkage stress of the shrunken composite.

This efficiently prevents the formation of marginal gaps and associated bacterial penetration. The dentinal tubules are sealed and the pulp is protected from bacterial influences. This is a reliable and permanent means of preventing pulp damage and postoperative sensitivity. Ionosit Baseliner serves as a stress-breaker for the entire cavity as it counteracts the polymerization shrinkage of the restoration. Structural stress or microfractures in the composite are minimized. This guarantees durable, functionally reliable restorations.

Protection

Ionosit Baseliner is applied in a layer of 1 mm thickness between dentin and composite.

Ionosit Baseliner releases fluoride and zinc ions. This provides protection at the junction between the tooth surface and the restoration, a particularly vulnerable area. The release of these substances forms a protective barrier for the tooth.

The baseliner can be easily applied directly from the syringe.

Dentin Interaction

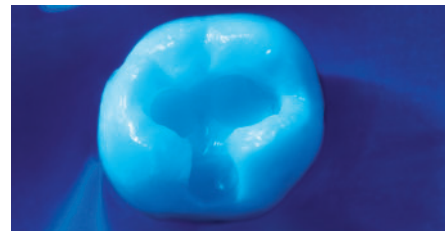
Ionosit Baseliner is capable of controlled expansion. Thanks to its innovative chemistry, it also forms a connection to dentin. This creates a so-called *reaction zone*. The crucial advantage: possible gaps created by polymerization shrinkage of the composite material are negated and stress on the dentin interface is reduced.



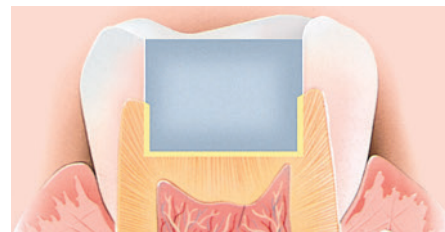
Class II cavity
(state after excavation).



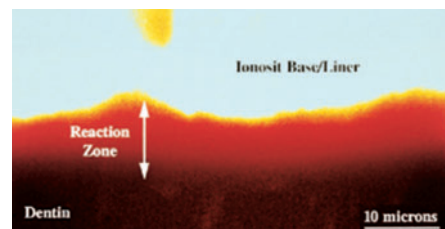
Ionosit Baseliner is applied in a thin layer
between dentin and composite.



Light-cure Ionosit Baseliner for 20 s.



Ionosit Baseliner seals the dentinal tubules
and thus prevents postoperative sensitivity.



A visible gap-free *reaction zone* occurs
between Ionosit Baseliner and dentin.

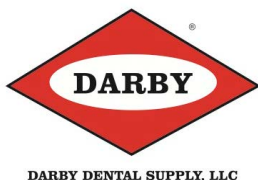
Ordering Information

Package Contents:

Item #	Product
9504102 (223002)	2 Pack Syringes @ 1.5 g Ionosit Baseline (2-1.5gm Syringe, 20 Luer-Lock-Tips)
9504100 (210911)	10 Pack Saferinge Ionosit Baseline (2 Operatory Trays. Each Contains: 5-0.3gm Saferinge and 1 Applicator Pad)

Accessories:

Item #	Product
9502028 (211759)	20 Pack Luer-Lock-Tips, Black



To Reorder Call 800.645.2310 or Visit darby.com

