



Ionosit Baseline

Gap-free restorations



Create gap-free restorations

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

FEATURES & BENEFITS

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

TECHNICAL DATA

Ionosit-Baseliner	
Working time [s]	90
Light-curing [s]	20
Thickness of layers [mm]	1
Radiopacity [% Al]	160
Compressive strength [MPa]	130
Flexural strength [MPa]	> 60
Flexural modulus [MPa]	6,500
Diam. Tensile strength [MPa]	34



Class-II-cavity (state after excavation).



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



Light-cure Ionosit Baseliner for 20 seconds.

Functionality

Ionosit Baseline combines the optimum properties of glass ionomers and composites in one material. It expands by approximately 1% and 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, which is a reliable and permanent means of preventing pulp damage and postoperative sensitivity.

Ionosit Baseline 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 Baseline is applied in a layer of 1mm thickness between dentin and composite. It releases fluoride and zinc ions to provide 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.

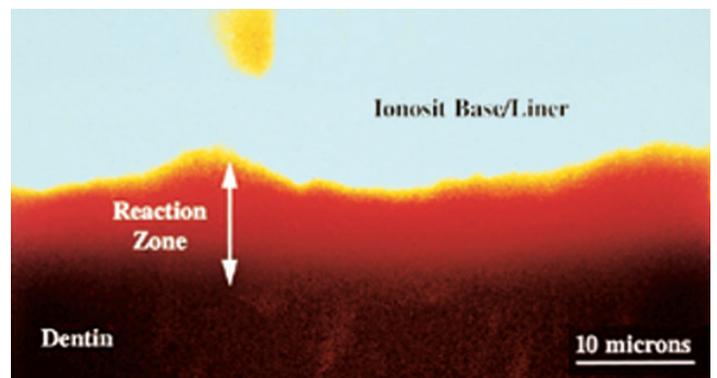
Ionosit Baseline can be easily applied directly from the syringe.

Dentin interaction

Ionosit Baseline is capable of controlled expansion. Thanks to its innovative chemistry, it also forms a connection to dentin, creating a 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.



Ionosit Baseline seals the dentin tubules and thus prevents postoperative sensitivity.



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





Ordering Information

Item#	Product	Contents
223002	Ionosit Baseline - Syringe Pack	2-1.5g Syringes, 20 Luer-Lock Tips
210911	Ionosit Baseline - Office Pack	2 Operatory Trays for: 5-0.3g Syringes, 1 Application Pad
211759	Ionosit Baseline Syringe Tips	Pack of 20 Luer-Lock Tips, Black



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