

GOOD REASONS

- > Compensation of composite polymerisation shrinkage
- > Fluoride release
- > Antibacterial properties
- > No complicated handmixing
- > Protects the pulp
- > Seals the dentin tubules
- > Prevents postoperative sensitivities
- > Radiopaque



PRODUCT OVERVIEW

Ionosit-Baseliner

Package:	3 Saferinge @ 0.33 g	REF 220091
	2 Syringes @ 1.5 g	REF 213002
Economy Pack:	20 Saferinge @ 0.33 g	REF 209538
	6 Syringes @ 1.5 g	REF 213001
Accessories:	1 Safetip-Dispenser	REF 213122
	60 Luer-Lock-Tips, Black	REF 211477
	1 Mixing block 62 x 62 mm	REF 212988

Composite materials from the DMG portfolio

EcuSphere-Carat

1 Syringe @ 3 g			
Shade A1	REF 220287	Shade A2	REF 220267
Shade A3	REF 220285	Shade A3.5	REF 220266
20 Safetips @ 0.3 g			
Shade A1	REF 220323	Shade A2	REF 220271
Shade A3	REF 220322	Shade A3.5	REF 220270

EcuSphere-Flow

2 Syringe @ 1.5 g			
Shade A1	REF 220315	Shade A2	REF 220314
Shade A3	REF 220313	Shade A3.5	REF 220312

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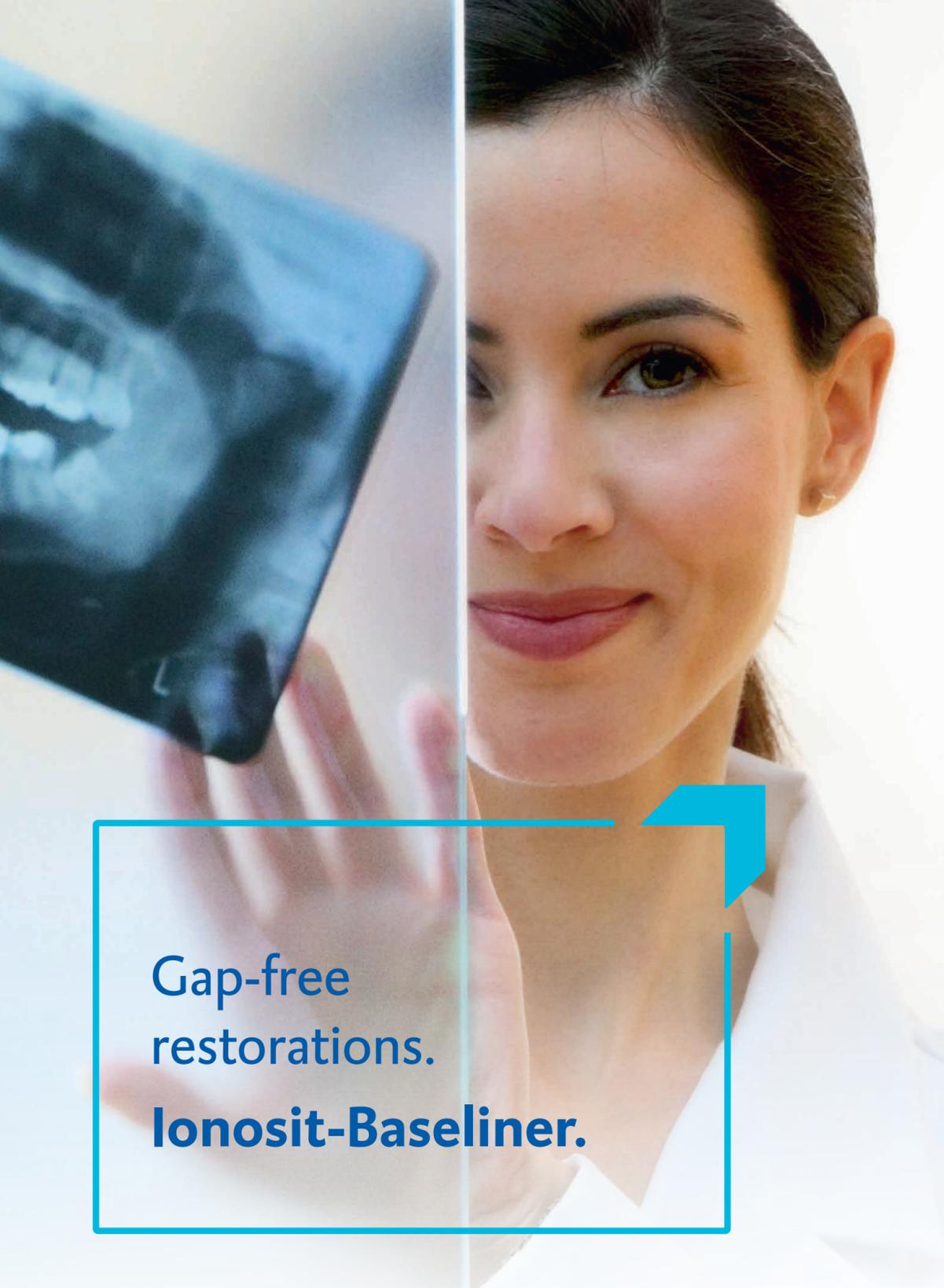
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Ionosit-Baseliner

Gap-free restorations.





Gap-free restorations.
Ionosit-Baseliner.

For stress-free restorations.

Ionosit-Baseliner is the »stress breaker« among the dental materials.

This light-curing active baseliner is the ideal one-component underfilling material for composite restorations.

Its active chemistry compensates for the shrinkage typical with composite fillings, prevents marginal gap formations, and, with that, minimizes postoperative sensitivities, microfractures and secondary caries.

The material is radiopaque, provides fluoride release, and, due to its zinc content, has antibacterial properties.

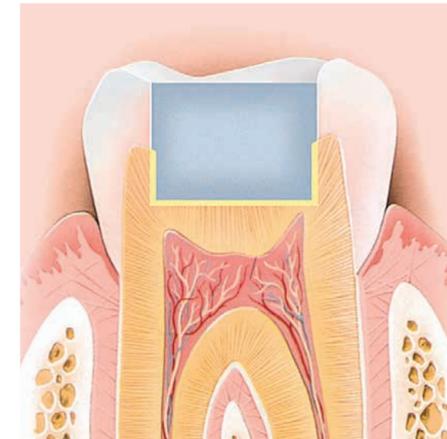
Ionosit-Baseliner – for stress-free restorations.

FUNCTIONALITY

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

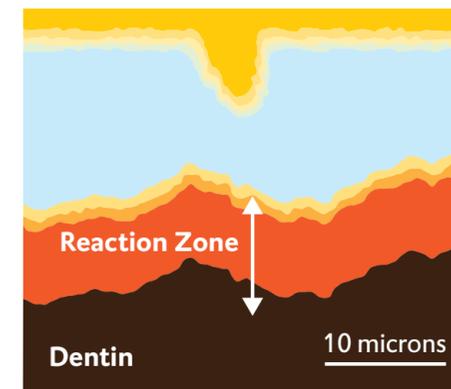
It has been proven that Ionosit-Baseliner reacts with the dentin (data on file). This efficiently prevents the formation of a marginal gap and associated bacterial penetration. The dentin tubules are sealed and the pulp is protected from exogenic influences.

This is a reliable and permanent means of preventing pulp damage and postoperative sensitivities. 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.



Ionosit-Baseliner seals the dentin tubules and thus prevents postoperative sensitivities.

»REACTION ZONE«



A visible gap-free »Reaction Zone« occurs between Ionosit-Baseliner and dentin.

PROTECTION

Ionosit-Baseliner is applied in a layer of 1 mm thickness between dentin and composite. Ionosit-Baseliner produces a release of fluoride and zinc ions. This provides protection at the junction between the tooth surface and the restoration, a particularly vulnerable area.

Can be easily applied directly from the Saferinge developed by DMG.

DENTIN INTERACTION

Ionosit-Baseliner is not only capable of controlled expansion, rather, thanks to its innovative chemistry, it can also form 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 filled by Ionosit-Baseliner. Stress on the dentin interface can thus be avoided.

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



Tooth with 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.