

NanoPaq

The nano composite that offers aesthetics and security



NanoPaq

This composite combines easy handling with outstanding physical properties.

NanoPaq is a light-curing composite with an ultra-fine, radiopaque glass filler. By cross-linking the nano particles, the physical values were optimized even further, making NanoPaq an excellent choice for anterior and posterior tooth restorations of all Black's classes.

Different filler particle sizes make NanoPaq easy to shape and to polish. Special color pigments create highly aesthetic effects and help the restoration to blend into the natural dentition easily.

Your advantages:

- significantly decreased shrinkage
- easy handling
- quick and easy polishing, extraordinary gloss
- natural fluorescence and translucence
- high color stability
- abrasion-stable and gentle on the antagonists
- compatible with most conventional composites, adhesives and bonding systems
- adapts well to the natural tooth color
- high radiopacity (220 % Al) for better security of treatment

Physical properties

	Average
Vickers hardness	1,040
3-point bending strength	168
Young's modulus	18,000
Compressive strength	416

(Source: Fraunhofer Institute for Ceramics Technologies and Systems, Dresden/Germany)

Three-media wear test (200,000 Zyklen)	53.7 µm
--	---------

(Source: University Clinic Regensburg/Germany)

Radiopacity	220 % Al
Filler content	83.5 weight-%

(Source: GDF Gesellschaft für Dentale Forschung und Innovationen GmbH)

Indications:

- direct anterior and posterior tooth restorations
- indirect restorations (inlays, onlays and veneers)
- extended fissure sealing on premolars and molars
- building up stumps
- corrections of shape and color to improve the color effect

Available in the following colors

Art. no.		Color
234500	NanoPaq Set	A2/A3/A3,5/A4
234510	NanoPaq	A1
234511	NanoPaq	A2
234512	NanoPaq	A3
234513	NanoPaq	A3,5
234514	NanoPaq	A4
234515	NanoPaq	B1
234516	NanoPaq	B2
234517	NanoPaq	B3
234530	NanoPaq	ODA2
234533	NanoPaq	ODB2
234540	NanoPaq	IW
234545	NanoPaq	InTr
234546	NanoPaq	C2
234547	NanoPaq	IR
234548	NanoPaq	InU
234550	NanoPaq	InBl
234552	NanoPaq	D3

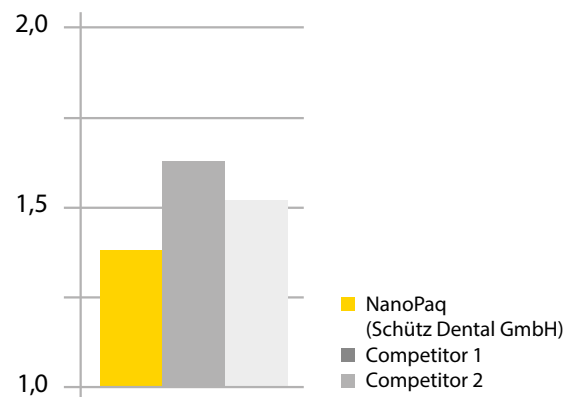
Composite

Enamel

REM-image of a minimized gap
Bond between enamel and NanoPaq

Scientific Tests

Polymerization shrinkage test



Average shrinkage (%)

Source: InnoMat GmbH, Teltow/Germany

Cytotoxicity test

„In these tests under the described conditions, no components in cytotoxic concentration have been dissolved from the test specimen. Therefore, the tested product can be classified as non-toxic.“

This test by BSL Bioservice GmbH shows that NanoPaq does not show any cytotoxic effects.

Source: BSL Bioservice Scientific Laboratories GmbH, Planegg/Germany

For more information,

please call +49 6003 814-365 or send us an

e-mail: export@schuetz-dental.de

Matching products

Capo Natural

Ultra-fine micro-hybrid composite with enhanced abrasion values. Available in different tooth shades. High biocompatibility.



Art. no. 232055

Capo Slow Flow

Flowable composite with excellent physical properties. Ideal for restoring anterior or posterior teeth after cervical caries. The product is also suited to precise application in undercuts.



Art. no. 232061

Capo Universal

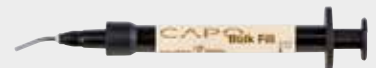
Offers the same excellent properties as Capo Natural. Available in one universal color for posterior tooth restorations. Outstanding brilliance.



Art. no. 232054

Capo Bulk Fill

Light-curing composite for posterior tooth restorations. Suitable for a layer thickness of up to 4 mm.



Art. no. 232060

Capo Bond Set

Ethanol-based, multi-functional and light-curing one-component primer and bonding set. Extraordinary bond values on dentin and enamel.



Art. no. 234014

Capo Etch Set

Safe and quick etching of dentin and enamel. High viscosity and extraordinary contrast to the natural teeth - this makes the product extremely easy to handle.



Art. no. 234013

ReVeneer Adhesive Set

This ceramic repair system consists of primer, repair paste and composite. Aesthetic, durable, safe. Free of acid and silane.



Art. no. 232205

Bleach'n Smile Automix Set

Bleach'n Smile system for effective, quick and gentle whitening of natural teeth.



Art. no. 237050

Clinical case study

Maximilian Kollmuß and Julia Goeke

NanoPaq is a nano hybrid composite of the latest generation. This material facilitates minimally invasive fillings while preserving a maximum amount of natural tooth substance. The material is convincing due to its easy handling and time-saving thanks to their optimal viscosity. What's more, the wide range of colors lets you

create nearly perfect reconstructions of the hard tooth substance. In addition, the excellent polishing behavior of the material leads to a natural gloss of the filling surfaces.

1 Caries excavation



Removal of the carious hard tooth substance and smoothing the edges in the approximal areas.

3 Final finish



Finished filling after the polymerization of the bonding layer with an LED lamp. Polishing was carried quickly and easily.

2 Tight seal



Application of Capo Bond after etching in the total etch technique.

4 Finished restoration



The restoration convinces due to an exact color adaptation to the natural tooth color.



Schütz Dental GmbH • Dieselstr. 5-6 • 61191 Rosbach/Germany • Tel. +49 (0) 6003 814-365 • Fax +49 (0) 6003 814-907
www.schuetz-dental.com • export@schuetz-dental.de