Instruction for use & technical data
CopraPeek

WHITEPEAKS
DENTAL SOLUTIONS

CE_{0483}

Technical data

Manufacturer:	Whitepeaks Dental Solutions GmbH & Co. KG
	Langeheide 9 - 45239 Essen - Germany
Product / Product type:	PEEK blanks for the production of individual dental restorations
Product form:	discs and blocks in different diameters and colours
Material type:	polyetheretherketone (PEEK) - medical device class IIa
Circle of users:	Instructed users, who produce individual dental restorations

Indication/ intended use

CopraPEEK is exclusively suitable for the production of dental products.

CopraPeek is suitable for the production of permanent, removable, respectively partly removable (screw-retained) dental prosthesis. This means, that with the described material crowns, bridges, partials, abutments, secondary structures for combined dental prostheses, implant-supported full crowns in the posterior region and partly removable, screw-retained bridges can be realised.

Contraindikation

Do not use in case of proven hypersensitivity against one of the components.

Material properties / technical data

composition	Bio Classic	Light	Medium	Rose
PEEK (polyetheretherketone)	100%	$\approx 80\%$	$\approx 80\%$	$> 90\%$
titanium dioxide (TiO_2)	---	$< 20\%$	$< 20\%$	$< 5\%$
other additives	$< 0,01\%$	$< 0,1\%$	$< 1\%$	$< 1\%$

technical data

flexural strength (Weibull)	186,6 MPa
water absorption	4,66 µg/mm^3
solubility	-0,1 µg/mm^3

Instructions for use

CopraPeek has to be processed with carbide burs. The milled restoration has to be cut out of the milling blank with a coarse toothed carbide bur. The retaining bars have to be cut without applying pressure. The restorations can be polished with suitable silicone polishers, goat hair brushes and suitable polishing paste (diamond particle).

Minimum wall thickness:	0,6mm
Connector cross-section in the anterior region:	10 mm²
Connector cross-section in the posterior region:	16 mm²

The posterior region is limited to 2 pontics.

Cementation:
A composite primer (Ambarino P60 Creamed, Visio.link Bredent, Z-Prime Plus Bisco) is applied to the inner surface of the crown, which has been sandblasted with 220 µm. The primer establishes a safe compound between CopraPeek and the adhesive composite.

Veneering:
all standard veneering materials, that are suitable for PEEK

Storage
Store cool and dry.

Disposal
See safety data sheet.

Explanation of the markings on the packaging

REF	Symbol for „item number"
LOT	Symbol for „LOT number"
$C\epsilon_{0483}$	Confirmation: The product complies with the applicable European directives.
	Symbol for „number of products in package"
	Symbol for „follow the instructions for use"
Rx only	Symbol for "Caution: US Federal law ristricts this device to sale by or on the order of a licensed physician or dentist."