

# Instruction for use & technical data

## CopraDur Splint



### Technical data

<b>Manufacturer:</b>	Whitepeaks Dental Solutions GmbH & Co. KG Langeheide 9 - 45239 Essen - Germany
<b>Product / Product type:</b>	PA blanks for the production of splints
<b>Product form:</b>	discs in different diameters
<b>Material type:</b>	polyamide (PA) - medical device class IIa
<b>Circle of users:</b>	Instructed users, who produce individual dental splints

### Indication/ intended use

CopraDur is exclusively suitable for the production of dental products.

Indication:

CopraDur is certified for use in the oral cavity and can remain in the mouth temporarily or permanently.

CopraDur Splint is clear and is suitable for the production of splints.

### Contraindikation

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

### Material properties / technical data

#### **composition CopraDur Splint (transparent)**

polyamide (PA) 100%

#### **technical data**

flexural strength (Weibull)	72,8 MPa
water absorption	31,7 $\mu\text{g}/\text{mm}^3$
solubility	-3,5 $\mu\text{g}/\text{mm}^3$

### Instructions for use

For milling CopraDur, uncoated, single edged PMMA milling burs should be used.

The milling strategy of your CAD/CAM equipment should be modified, as the material has a different impact strength for example from PMMA. Polishing paste should only be used with a soft polishing brush. Please make sure not to overheat the material during polishing. Work only with low rotation speed.

For an optimal milling result with our material we recommend the following parameters:

PMMA milling bur single edged: 2mm milling bur – feed rate: 25mm/s spindle speed: 16.000 rpm  
PMMA milling bur single edged: 1mm milling bur – feed rate: 19mm/s spindle speed: 22.000 u/m  
PMMA milling bur double edged: 2mm milling bur – feed rate: 25mm/s spindle speed: 8.000 u/m  
PMMA milling bur double edged: 1mm milling bur – feed rate: 19mm/s spindle speed: 11.000 rpm

Air- or water cooling is advantageous during milling. It is recommended to cool the material with water while polishing.

Occlusal und cervical wall thickness should not be less than 0.3 mm.

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### Storage

Protect from heat and direct sunlight.

### Disposal

See safety data sheet.

### Explanation of the markings on the packaging



Symbol for „item number“



Symbol for „LOT number“



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 restricts this device to sale by or on the order of a licensed physician or dentist.”