

# 3Delta



## 3Delta Crown

### Description

3Delta Crown is a light-curing composite material in various shades for the additive fabrication of anterior and posterior restorations. The material is compatible with Rapidshape and ASIGA 3D printers (see validation matrix for details) and meets the performance requirements of DIN EN ISO 10477.

### Indications

Additive manufacturing of anterior and posterior restorations, e.g.

- single tooth crowns
- veneers, inlays, onlays
- artificial denture teeth

### Composition

Preparation of acrylates, fillers, initiators and pigments.

Filler content: 50% by weight.

### Available Shades

A1, A2, A3, A3.5, B1, B3, C1, C3, D3, Bleach

### Medical Device Class

- Class IIa [EU]
- Class 2 [US]

### Storage conditions

Protect from exposure to light. Store between 4°C and 25°C.

Keep container tightly closed. Shelf life: 24 months.

| Physical properties  | Requirement*             | Average Values**       |
|----------------------|--------------------------|------------------------|
| Flexural strength    | ≥ 50 MPa                 | 144 MPa                |
| Flexural Modulus     | n.a.                     | 5815 MPa               |
| Water absorption     | ≤ 40 µg/mm <sup>3</sup>  | 16 µg/mm <sup>3</sup>  |
| Solubility           | ≤ 7,5 µg/mm <sup>3</sup> | 0,2 µg/mm <sup>3</sup> |
| Compressive strength | > 300 MPa                | 420 MPa                |
| Viscosity            | n.a.                     | 1,0-3,0 Pas            |

\* acc. to DIN EN ISO 10477

\*\* Average value of 5 test specimen. Values of built parts may deviate from the measured values depending on used conditions and respected standards.

### Delivery Units

| Product name        | REF 500g | REF 1000g |
|---------------------|----------|-----------|
| 3Delta Crown A1     | 1611110  | 1611210   |
| 3Delta Crown A2     | 1611120  | 1611220   |
| 3Delta Crown A3     | 1611130  | 1611230   |
| 3Delta Crown A3.5   | 1611135  | 1611235   |
| 3Delta Crown B1     | 1611155  | 1611255   |
| 3Delta Crown B3     | 1611165  | 1611265   |
| 3Delta Crown C1     | 1611160  | 1611260   |
| 3Delta Crown C3     | 1611170  | 1611270   |
| 3Delta Crown D3     | 1611175  | 1611275   |
| 3Delta Crown Bleach | 1611150  | 1611250   |

CE 0124



DeltaMed GmbH  
Raiffeisenstraße 8a  
61169 Friedberg  
Germany

Fon: +49 6031 7283 0  
E-Mail: info@deltamed.de  
Web: www.deltamed.de

DeltaMed  
TURNING IDEAS INTO MATERIALS