



## TEMPORIS: THE BIOCOMPATIBLE RESIN

Temporis® is a Class IIa light curable nanocomposite for the realization of long-term temporary inlays, crowns and bridges. In order to meet aesthetical and functional requirements, Temporis® materials are available in different shades and they can be easily trimmed, shaped and polished. For a perfect customization, they can be coated with biocompatible compounds and personalized with any kind of pigmentation.

## FEATURES

- Smooth Surface
- High Resolution
- High Accuracy
- Durable
- Biocompatible - Class IIA (Directive 93/42/EEC)\*
- 6 Shades Available:

N Shade

A1 Shade

A2 Shade

A3 Shade

A3.5 Shade

B1 Shade



## ADVICE FOR USE

Temporis® is used in DWS dental 3D printers such as XFAB 2500 PD, XFAB 3500 PD and LFAB. It can be used with Photoshade gradient in DFAB Desktop and DFAB Chairside.

\* The polymer is to be considered a long-term invasive medical device in Class IIa as provided for by the Rule 5, Annex IX, Dir. 93/42/EEC.

## TECHNICAL CHARACTERISTICS OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / 6 shades available
Density	1,38 g/cm <sup>3</sup>
Viscosity	2000-3000 mPa*s at 25°C

## TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Surface Hardness (Shore D)	91~ 93
Ball Hardness (MPa)	129
Compressive Strength (MPa)	290
Flexural Strength (MPa)	85 ~ 135
Flexural Modulus (MPa)	2900 ~ 4200
Water Sorption (mg/ µm <sup>3</sup> )	< 40
Water Solubility (mg/ µm <sup>3</sup> )	< 1.4
Application / Use	Long-Term Restorations

Technical specification subject to change without notice. This document contains informative addressed to healthcare professionals as it deals with information that may lead to serious damages for patient's health and safety if not properly understood and duly executed. Regulations under the Italian law (Legislative Decree dated February, 23rd 2006, Legislative Decree no. 219/2006 and in general by Legislative Decree no. 46/97 as amended by Legislative Decree no. 37 dated January, 25th 2010).

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