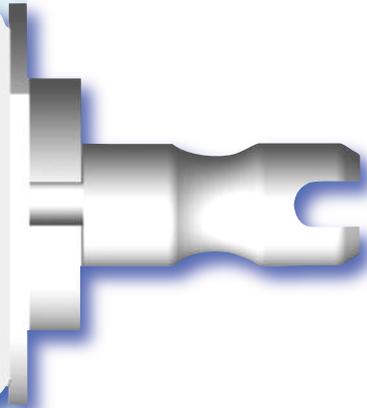


Digital Dental Art



artBloc® Temp

for CEREC®3, CEREC®MC XL, inLab®, inLab®MC XL



THE THERAPY CONCEPT

PMMA blocks
for the
fabrication
of long-term
temporary and
preprosthetic
restorations



artBloc® Temp

for CEREC® 3, CEREC® MC XL, inLab®, inLab® MC XL

artBloc® Temp is a unique monochrome tooth-coloured block made of highly cross-linked interpenetrated PMMA, the OMP®-N (Organic Modified Polymer Network). Without inorganic fillers, this material provides high plaque resistance and DIN ISO 10477 compliant flexural strength of more than 90 MPa.

artBloc® Temp guarantees process reliability compared to the use of conventional temporary chairside crown and bridge replacement materials.



Dentallabor Bennewitz, Berlin

Use

artBloc® Temp is used for temporary restorations of

- ▼ single crowns
- ▼ partial restorations
- ▼ bridges
- ▼ immediate implant restorations
- ▼ in Sirona Dental Systems CEREC 3, CEREC MC XL, inLab und inLab MC XL



Kimmel Zahntechnik GmbH, Koblenz



Preprosthetic treatment and Soft-tissue management

In the context of a preprosthetic treatment plan, the artBloc® Temp is intended for temporary restorations, until the requirements for a final prosthetic solution are established with clinical and prosthetically acceptable parameters. Due to its plaque resistance, artBloc® Temp is the optimum treatment in regarding soft-tissue management. It can also be used for re-establishing the occlusal support field for therapeutic restorations when correcting temporomandibular disorders.

Advantages

- ▼ fiber-free and without inorganic fillers
- ▼ tissue-compatible by virtue of high resistance to plaque thanks to absence of inorganic fillers
- ▼ no irritation of pulp or gingiva by virtue of controlled industrial polymerisation
- ▼ homogeneity and high cross-linking due to most modern industrial manufacture process, made in Germany
- ▼ lasting colour stability and esthetics
- ▼ high temperature and form stability
- ▼ low abrasion due to high-pressure densified OMP®-Network
- ▼ shock-absorbent, particularly for initial implant restorations
- ▼ extreme flexural strength due to high elasticity
- ▼ can be customized, individualized and characterised
- ▼ outstanding polishing characteristics using the standard tools
- ▼ multiple resettability on the post
- ▼ CAD/CAM manufacturing ensures easy and quickreproducibility
- ▼ all provisional cements (eugenol-free) can be used for cementing

temporary and preprosthetic restorations



Process stability

compared to the use of conventional temporary chairside crown and bridge replacement materials:

- ▼ no manual mixing errors
- ▼ no MMA irritation
- ▼ no thermal irritation of the pulp and marginal gingiva
- ▼ no polymerisation shrinkage
- ▼ no sticking due to undercuts
- ▼ no time-consuming removal of excess material
- ▼ no swelling

Documented and reproducible work steps with accurate fitting and formal stability by virtue of CAD/CAM fabrication in Sirona Dental Systems CEREC 3, inLab, CEREC MC XL and inLab MC XL.

Attachment

Cementing can be done using all conventional temporary cements (eugenol-free).

Shades

Monochrome dentin in V-Classic shades

Block dimensions

15,5 x 19 x 39 mm

Software requirements

inLab 3D V3.10 or higher

Technical requirements

CEREC 3 milling units and inLab
CEREC MC XL and inLab MC XL

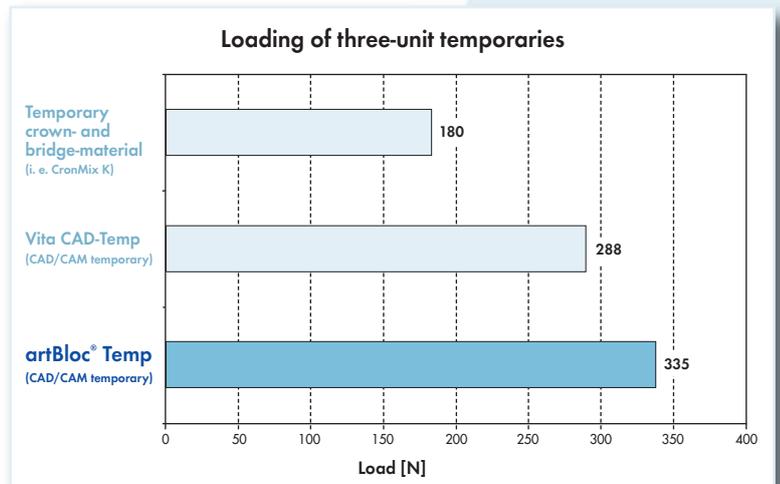
For CEREC 3 milling units and inLab, the addition of DENTATEC must be reduced to 5 ml/tank filling.

For CEREC MC XL and inLab MC XL, the addition of DENTATEC must be reduced to 15 ml/tank filling.

Physical Properties

Properties	Unit	Value
Flexural strength	MPa (N/mm ²)	93 MPa according EN ISO 10477
Module of elasticity	MPa (N/mm ²)	2.680 MPa according EN ISO 1567
Organic curing agent	OMP [®] -N (Organic Modified Polymer-Network)	
Absorption	Complies with EN ISO 10477 crown and bridge resins	
Solubility	Complies with EN ISO 10477 crown and bridge resins	
Shade stability	Complies with EN ISO 10477 crown and bridge resins	
Does not contain inorganic fillers		

Merz Dental Research and Development Dept.



Stawarczyk, B., et al.: Loading of conventionally or CAD/CAM fabricated bridge temporaries. University of Zurich, 2007

Grinder configuration

CEREC 3 milling units and inLab
left: Cone Bur 14
rechts: Cylinder Pointed Bur

CEREC MC XL and inLab MC XL
left: Step Bur 20
right: Cylinder Pointed Bur 20

Accessory equipment

for CEREC 3 milling units and inLab
CAD-Waxx cooling water tank
Starter Set SIRONA REF 6094713

Delivery Form

2-set and 10-set



CE 0482

artBloc[®]Temp



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▶ artBloc[®] Temp

Merz Dental is certified in accordance with DIN EN ISO 9001/DIN EN ISO 13485 and thus offers the security and the advantages of a future-oriented quality management system.

Photos shown can differ in colour of the original product. Printing errors possible.