



Centralized
milling



n!ce[®] PMMA

PMMA-based acrylate polymer

Strong acrylate polymer for up to full-arch, full-contour temporary restorations



EFFICIENCY

n!ce[®] PMMA is especially suited for full-contour temporary restorations for high efficiency



STABILITY

The material properties provide excellent compound stability for easy handling and reliable prosthetic outcome



STRENGTH

The PMMA-based acrylate polymer provides high strength for indications up to full-arch

Available shades

► nlce® PMMA restorations (available through our CARES® centralized milling solution) are available in 6 shades: Bleach, A1, A2, A3, B1 and B2



Available indications

- For temporary restorations
- For up to full-arch

Recommended indication
Possible indication
Not possible indication (n/a)

TOOTH-BASED

[n/a] Inlay	[n/a] Onlay	[n/a] Veneer	[n/a] Partial crown	 Coping
 Full-contour crown	 Telescopic crown	 Bridge/bar framework	 Full-contour bridge	 Vestibular veneering

ABUTMENT-BASED (AVAILABLE WITHIN THE CARES® X-STREAM™ SOLUTION)

 Coping on Ti-Base	 Full-contour crown on Ti-Base	 Bridge/bar framework on Ti-Base	 Full-contour bridge on Ti-Base
 Coping on CADCAM abutment	 Full-contour crown on CADCAM abutment	 Bridge/bar framework on CADCAM abutments	 Full-contour bridge on CADCAM abutments

Workflow

STEPS

Finishing

Cementing

OPTIONS

Polishing
Layering

Temporary cementation

Chemical composition

ELEMENTS

Polymethyl methacrylate (PMMA)

Methylmethacrylate

Dibenzoyl peroxide

Pigments

WEIGHT

> 98 %

< 1 %

< 1 %

< 0.5 %

Physical properties

PROPERTIES

Material

Biaxial flexural strength [MPa]

Water absorption [$\mu\text{g}/\text{mm}^3$]

Water solubility [$\mu\text{g}/\text{mm}^3$]

VALUE

PMMA

≥ 50

≤ 40

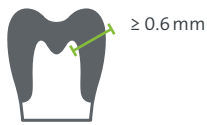
≤ 7.5

Preparation guidelines

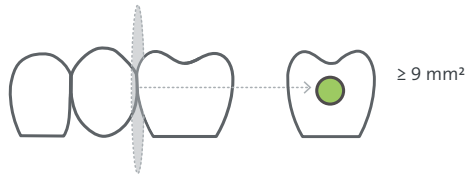
- ▶ The preparation shall not have angles or sharp edges
- ▶ The shoulder preparation shall be with rounded inner edges and/or chamfer
- ▶ The cross-sections shall be adjusted in relation to the total size of the restoration
- ▶ The transition from a connector to a crown or coping shall be rounded

Wall thickness

MINIMAL RESTORATION DESIGN



Restoration wall thickness



Connector cross-section

International Headquarters

Institut Straumann AG
Peter Merian-Weg 12
CH-4002 Basel, Switzerland
Phone +41 (0)61 965 11 11
Fax +41 (0)61 965 11 01
www.straumann.com