

3M™ RelyX™ Cements Material Pretreatment Guide

3M™ RelyX™ Universal Resin Cement



Material Type	Examples	Pretreatment
Glass Ceramics	IPS e.max®, IPS Empress®, Celtra® Duo, VITABLOCS® Mark II	Step 1: Etching with hydrofluoric (HF) acid Step 2: 3M™ Scotchbond™ Universal Plus Adhesive
Zirconia/Alumina/Metal (PFM)	3M™ Lava™ Zirconia, 3M™ Chairside Zirconia, BruxZir® Zirconia	Step 1: Sandblasting with aluminum oxide 30-50µm at 30 psi (2 bar) Step 2: (optional, recommended for veneers, tabletops, adhesive bridges): 3M™ Scotchbond™ Universal Plus Adhesive
Composite/Hybrids	3M™ Lava™ Ultimate CAD/CAM Restorative, 3M™ Paradigm™ MZ100 Block, Cerasmart™	Step 1: Sandblasting with aluminum oxide 30-50µm at 30 psi (2 bar) Step 2: 3M™ Scotchbond™ Universal Plus Adhesive
Fiber-reinforced Composite Post	3M™ RelyX™ Fiber Post, 3M™ RelyX™ Fiber Post 3D	Step 1: Clean with Ethanol Step 2: For RelyX posts no primer required, for other Posts apply 3M™ Scotchbond™ Universal Plus Adhesive

3M™ RelyX™ Unicem 2 Self-Adhesive Resin Cement



Material Type	Examples	Pretreatment
Glass Ceramics	IPS e.max®, IPS Empress®, Celtra® Duo, VITABLOCS® Mark II	Step 1: Etching with hydrofluoric (HF) acid Step 2: Apply Silane, e.g. 3M™ RelyX™ Ceramic Primer
Zirconia/Alumina/Metal (PFM)	3M™ Lava™ Zirconia, 3M™ Chairside Zirconia, BruxZir® Zirconia	Sandblasting with aluminum oxide 30-50µm at 30 psi (2 bar)
Fiber-reinforced Composite Post	3M™ RelyX™ Fiber Post, 3M™ RelyX™ Fiber Post 3D	Step 1: Clean with Ethanol Step 2: For RelyX posts – no primer required, for other Posts follow manufacturer instructions.

3M™ RelyX™ Luting Plus Resin Modified Glass Ionomer Cement



Material Type	Examples	Pretreatment
Zirconia/Alumina/Metal (PFM)	3M™ Lava™ Zirconia, 3M™ Chairside Zirconia, BruxZir® Zirconia	Sandblasting with aluminum oxide 30-50µm at 30 psi (2 bar)

Note: These recommendations are specific to the RelyX™ branded products manufactured by 3M Oral Care and should be followed unless indicated differently by the manufacturer of the restoration material being used. Refer to IFU for full indications, precautions and warnings.

Cement selection made easy

	3M™ RelyX™ Universal Resin Cement	3M™ RelyX™ Unicem/Unicem 2 Self-Adhesive Resin Cement	3M™ RelyX™ Luting Plus Resin Modified Glass Ionomer Cement	3M™ RelyX™ Veneer Cement
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Metal Based

Inlays/Onlays	++	++	+	-
Crowns/Bridges	++	++	++	-
Endodontic Posts	++	++	++	-
Maryland Bridges	++	+	-	-
On Implant Abutments	++	++	++	-

Glass Ceramics including Lithium Disilicate (e.g. IPS e.max®, VITABLOCS® Mark II, Celtra® Duo, IPS Empress®)

Inlays/Onlays/Table Tops	++	+	-	-
Crowns/Bridges	++	++	-	-
Veneers	+	-	-	++
On Implant Abutments	++	+	-	-

Zirconia and other Oxide Ceramics (e.g. 3M™ Lava™ Zirconia, BruxZir® Zirconia)

Inlays/Onlays	++	++	+	-
Crowns/Bridges	++	++	+	-
Endodontic Posts	++	++	+	-
Maryland Bridges	++	+	-	-
On Implant Abutments	++	++	++	-

Resin Based Composites/ Hybrids (e.g. Cerasmart, Enamic; Fiber Reinforced Composite Posts (e.g. RelyX™ Fiber Posts)

Inlays/Onlays/Table Tops	++	+	-	-
Crowns	++	++	-	-
Endodontic Posts	++	++	-	-
Veneers	+	-	-	++
On Implant Abutments	++	++	-	-

++ Highly recommended* **+ Recommended** **- Not indicated**

* Either better performance for this indication or easier handling with equal performance.

Note: The recommendations in this guide list the key indications for a particular cement, and are intended as a general guide only. 3M RelyX cements are highly versatile products that can be used for multiple indications. Your selection is dependent on individual patient circumstances and your preferred procedural techniques. Always follow the Instructions for Use (IFU) and refer to IFU for full indications, precautions and warnings.



3M Oral Care

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