

Material Options: IPS e.max Lithium Disilicate

CEMENTATION (must be adhesively cemented)



Recommended Variolink Esthetic Multilink Automix

Other:

Adhesive Resin Cements

Contraindication: **Temporary Cements** Self-Adhesive Cements Glass Ionomer Cements Resin Modified Glass Ionomer

Onlays Preparation 1.0-mm to 1.5-mm wide ginvival floor

Material Options: **IPS e.max Lithium Disilicate**

CEMENTATION (must be adhesively cemented)



Occlusal reduction

Recommended Variolink Esthetic Multilink Automix

Other:

Adhesive Resin Cements

Contraindication: **Temporary Cements** Self-Adhesive Cements **Glass Ionomer Cements** Resin Modified Glass Ionomer

Veneers Preparation Material Options: **IPS e.max Lithium Disilicate** CEMENTATION (must be adhesively cer



Recommended Variolink Esthetic

Other: **Adhesive Resin Cements**

Contraindication: **Temporary Cements** Self-Adhesive Cements Glass Ionomer Cements Resin Modified Glass Ionomer

Non-Retentive Preparation

Modified shoulder margin

1.0 mm reduction at

Recommended Variolink Esthetic Multilink Automix

Adhesive Resin Cements Self-Adhesive Cements **Glass Ionomer Cements** Resin Modified Glass Ionomer

Contraindication: **Temporary Cements**

Anterior Bridge

CEMENTATION

Retentive Preparation

Recommended

SpeedCEM Plus

Other:

Variolink Esthetic

Multilink Automix

Preparation

Rounded internal

Material Options: IPS e.max Lithium Disilicate,

IPS e.max CAD-on, IPS e.max ZirCAD

Other:

Adhesive Resin Cements

Contraindication: Self-Adhesive Cements Glass Ionomer Cements Resin Modified Glass Ionomer **Temporary Cements**

Posterior Crowns



Material Options: IPS e.max Lithium Disilicate, IPS e.max ZirCAD

CEMENTATION

Retentive Preparation

Recommended Variolink Esthetic Multilink Automix SpeedCEM Plus

Other:

Adhesive Resin Cements **Self-Adhesive Cements Glass Ionomer Cements Resin Modified Glass Ionomer**

Contraindication: **Temporary Cements**

Non-Retentive Preparation

Material Options: IPS e.max Lithium

Disilicate, IPS e.max ZirCAD

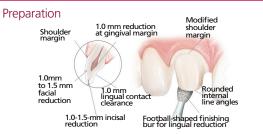
Recommended Variolink Esthetic Multilink Automix

Other:

Adhesive Resin Cements

Contraindication: **Self-Adhesive Cements Glass Ionomer Cements** Resin Modified Glass Ionomer **Temporary Cements**

Anterior Crowns



Material Options: IPS e.max Lithium Disilicate, IPS e.max ZirCAD

CEMENTATION

Retentive Preparation Recommended Variolink Esthetic Multilink Automix SpeedCEM Plus

Other: Adhesive Resin Cements

Self-Adhesive Cements Glass Ionomer Cements Resin Modified Glass Ionomer

Contraindication. **Temporary Cements**

Non-Retentive Preparation

Recommended Variolink Esthetic Multilink Automix

Other: Adhesive Resin Cements

Contraindication: Self-Adhesive Cements **Glass Ionomer Cements** Resin Modified Glass Ionomer **Temporary Cements**

Posterior Bridge



Material Options: IPS e.max CAD-on, IPS e.max ZirCAD

CEMENTATION

Retentive Preparation Recommended Variolink Esthetic Multilink Automix SpeedCEM Plus

Other:

Adhesive Resin Cements Self-Adhesive Cements Glass Ionomer Cements Resin Modified Glass Ionomer Glass Ionomer Cements

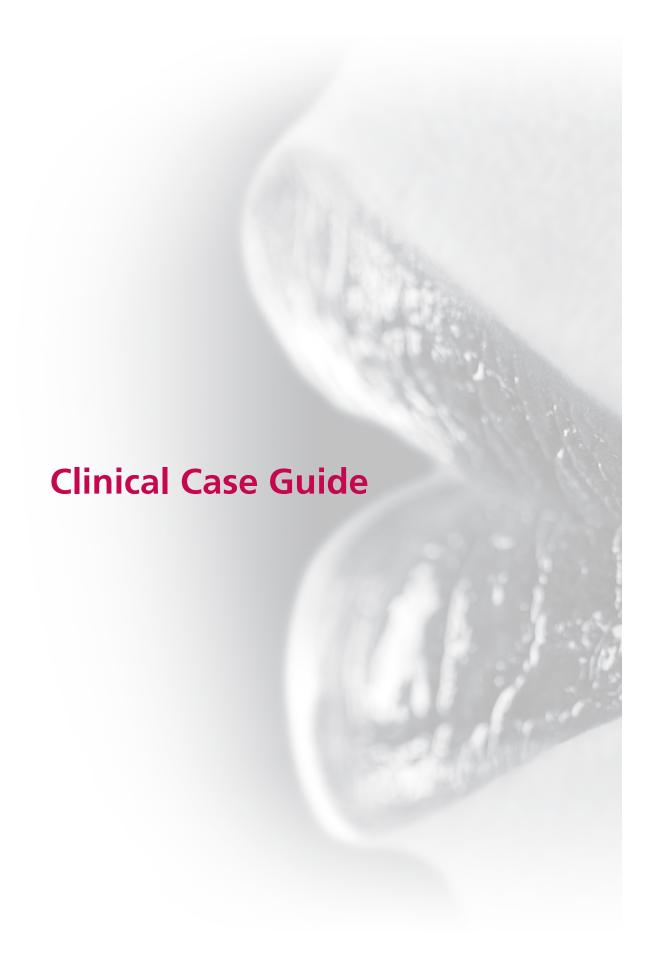
Contraindication: **Temporary Cements** Non-Retentive Preparation Recommended Variolink Esthetic Multilink Automix

Other:

Adhesive Resin Cements

Contraindication: Self-Adhesive Cements Resin Modified Glass Ionomer **Temporary Cements**

* Requires Adhesive Cementation



Cement Procedures											
	STEP 1		STEP 2		STEP 3	STEP 4	STEP 5				
	IPS e.max Restoration Conditioning		Tooth Conditioning		Cement	Clean Up	Final Cure	Post-Op			
	Etching Restoration	Priming Restoration	Etching Tooth	Priming Tooth				View			
	Apply IPS Ceramic Etching Gel (5% HF Acid) for 20 sec. to bonding surface of the restoration. Rinse thoroughly and air dry.	Apply Monobond Plus Universal Primer to the bonding surface of the restoration. Allow to react for 60 sec. Completely air dry.	(Optional if using a universal adhesive.) Apply Total Etch 37% Phosphoric Acid etching gel. (15 secs on dentin, 30 sec. on enamel) Rinse and dry leaving prepared surface moist.	Apply bonding agent to moist preparation	Dispense cement into restoration	After seating, light cure each quarter surface for 2-4 sec. The cement will achieve a gel-like consistency for easy clean-up.	Optional: Utilize Liquid Strip (glycerin gel) along the margins to eliminate oxygen-inhibition layer. Light cure each side on high power for 20 sec.				
Variolink® Esthetic				Apply and scrub Adhese® Universal into prepara- tion for 20 secs. Thin with air. Light cure for 10 secs.	(of						
Multilink® Automix			Not Required	Scrub a 1:1 mixture of self-etching Primer A & B into the prepared surface for 30 sec. Air dry							
SpeedCEM® Plus	936		Not Required			100					

Clinical Recommendation Efficient rotary cutting instruments for high-strength ceramics

- When removing a high-strength ceramic restoration, proper bur selection improves the efficiency of the procedure, reducing the time needed for completion.
- The use of an electric handpiece is preferable due to its superior cutting efficiency and reduced heat generation.
- Regardless of the cutting instrument or the handpiece used, copious water irrigation is paramount when cutting through ceramic materials. Water acts as a lubricant, improves cutting efficiency and prevents heat rise in the restoration and the tooth.

MANUFACTURER	BUR	GRIT SIZE	FOOTBALL SHAPE FOR OCCLUSAL REDUCTION	ROUND SHAPE FOR ENDODONTIC ACCESS	CYLINDER SHAPE FOR CROWN REMOVAL
Komet	ZR Diamond	Coarse 126 µ m	Excellent (ZR6379.314.023)	Excellent (ZR6801.314.014)	Excellent (ZR6856.314.025)
Brasseler USA	DuraCut	Coarse 151µm	Excellent (6368DC.31.023	Very good (6801DC.31.023)	Very good (6856DC.31.018)
Dentalree	Crosstech	Coarse 150µm	Excellent (368.031.023	Very good (801.31.018)	Good (856.31.018)
SS White	Great White Z		Excellent (GWZ 379-023	Very good (GWZ 801-018)	Good (GWZ 856-018)

Tested at applied testing facility, Ivoclar Vivadent Amherst



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United States

175 Pineview Drive Amherst, New York 14228 716-691-0010 800-533-6825 www.ivoclarvivadent.com

Canada 1 - 6600 Dixie Road Mississauga, Ontario L5T 2Y2 905-670-8499 800-263-8182 Fax: 905-670-3102 www.ivoclarvivadent.com

