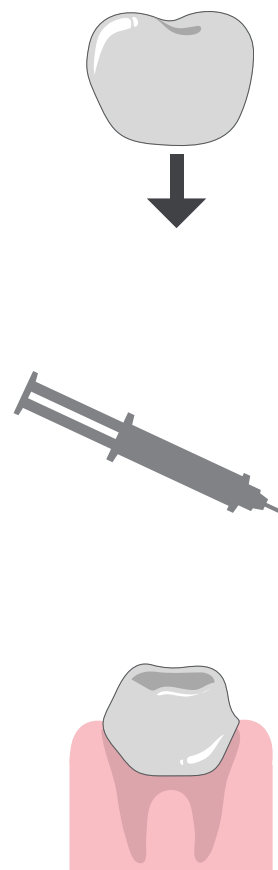


Overview of Existing Pretreatment and Cementation Workflows

This guide summarizes the most crucial steps and key components for pretreating the restoration and the tooth, based on the selected restoration material and the corresponding options for cementation.



Restoration material:		Zirconia (e.g. 3M™ Lava™ Esthetic, 3M™ Lava™ Plus) and metal based restorations						Silicate (Glass) Ceramic Lithium disilicate (e.g. IPS e.max®) Feldspathic ceramics (e.g. VITABLOCKS® Mark II) Hybrid materials based on glass ceramics						Resin-based Materials (e.g. Tetric® CAD, CeraSmart®)	
Restoration	Pretreatment	Sandblast (<50 µm, 1-2 bar for zirconia and according to manufacturer instructions for metal based)													
	Cleaning	Ultrasonic water / alcohol bath													
	Clean after try-in	Follow manufacturer IFU													
	Conditioning		MDP-like zirconia/metal primer or universal adhesive **	MDP-like zirconia/metal primer or universal adhesive **	MDP-like zirconia/metal primer or universal adhesive **		Silane	Silane	Silane primer or universal adhesive **	Silane primer or universal adhesive **	Silane primer or universal adhesive **	Silane primer or universal adhesive **	Silane primer or universal adhesive **	Silane primer or universal adhesive **	
Cement	Cementation	Conventional (retentive prep)	Self-adhesive resin	Self-adhesive resin	Adhesive resin	Adhesive resin	Adhesive resin	Conventional* (retentive prep)	Self-adhesive resin*	Self-adhesive resin*	Adhesive resin	Adhesive resin	Adhesive resin	Adhesive resin	Adhesive resin
					Dedicated tooth primer or universal adhesive	Dedicated tooth primer or universal adhesive	Dedicated tooth primer or universal adhesive				Dedicated tooth primer or universal adhesive	Dedicated tooth primer or universal adhesive	Dedicated tooth primer or universal adhesive	Dedicated tooth primer or universal adhesive	Dedicated tooth primer or universal adhesive
Tooth	Pretreatment			Selective etch ***		Selective etch ***	Total etch ***		Selective etch ***		Selective etch ***	Total etch ***	Selective etch ***	Total etch ***	
		Cleaning	Mechanical cleaning with pumice slurry, water rinse, slightly dry												

*If flexural strength >350 MPa **Needs to contain silane, MDP-like molecules, and moisture-regulating agent ***Use etchant with 30-40% phosphoric acid

NOTE: The recommendations are limited to selected key steps and components and do not replace the detailed instructions for use. In addition, these rules refer to generic material classes. While being in line with the instructions for use of many of the available products on the market, the guidelines may differ for specific brands and products available today or in the future. Always refer to the instructions for use of the manufacturer for a detailed step-by-step procedure.