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Comparison of High Temp Water-Based Sealants and Glues

High Temperature Water-Based Sealants and Glues – Comparison of Properties

PRODUCT	VISCOSITY	MAX USE-TEMPERATURE (C)	SUBSTRATES	MAIN USE AREA	APPLICATION
Cera Mastic	Paste/putty	300-1500	Oxide/non-oxide ceramics; metals (T<500 C)	Gluing/joining/repairing; bonding dissimilar materials (metal/ceramics)	Putty knife/trowel
Vitragard FS	3000 centipoises	900	Fused silica (dense/porous); 3D printed ceramic articles	Sealing/bonding	Brush
Supercoat	100-300 centipoises	850	Metals	Sealing	Air spraying
BN Cera Patch	Paste	900-1000	Ceramics	Patching; nonwetting with molten aluminum	Putty knife/trowel
Cera Glue Sealcoat	7000 centipoises	<= 800	Oxide ceramics; BN; 3D printed ceramic articles	Sealing/bonding tiles; calcium silicate parts	Brush
Cera Glue AA	400 centipoises	1500	Alumina/high-Al ₂ O ₃	Bonding/gluing; hermetic sealing	Brush
Cera Glue BondCoat	Thick Paste	1500	ZrO ₂ , SiC, BN	Bonding/joining dense parts	Brush/trowel
Cera Glue GG	Thick Paste	1000	Graphite, SiC, BN	Bonding/gluing, sealing	Putty knife/trowel

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