

Brushable Ceramic

Brushable Ceramic is a liquid ceramic based formulation. Once repairs have been made using Devcon metal or ceramic filled putty, Brushable Ceramic is applied to give excellent protection against bimetallic corrosion, pittings & cavitation. It provides a smooth, low friction surface, thereby aiding streamlined flow in pumps piping etc., which in turn improves pump operating efficiency. Brushable Ceramic has got high resistance to most alkalis, acids & chemicals. Brushable Ceramic provides excellent electrical insulation and hence can be coated on panels, panel seperators, insulator etc, which are pitted or burnt due to flash over, for restoring IR value.

Brushable Ceramic Blue (Nuclear Grade) is designed to meet the stringent requirement of the nuclear industry. It is formulated using a low chloride polymer resin to reduce the risk of corrosion. Brushable Ceramic White is certified (Certified to ANSI/NSF61) for potable water applications and used in meat & poultry processing plants.

RECOMMENDED APPLICATIONS

- ▶ Pump casings & impellers
- ▶ Fan blades
- ▶ Heat exchanger tube sheet area
- ▶ Ceramic insulation of transformers, reactors
- ▶ Glass lined reactor vessels
- ▶ Bus bar coating
- ▶ Insulation coating
- ▶ Vacuum pump casing
- ▶ Hydrel turbine guide vaves
- ▶ Condenser tube sheets
- ▶ Repairing broken/chipped insulators



TYPICAL PROPERTIES

Mix ratio, resin:hardener	(By vol)	3.4:1
	(By wt)	5.6:1
Specific volume, cm ³ /kg		595
Viscosity w/hardener, CPS		32,000
Pot life, minutes @ 25 ^o C		40
Operating temperature, maximum ^o C (Dry)		177
Cured hardness, Shore D ASTM D 2240		90
Compressive strength, N/mm ² ASTM D 695		105
Flexural strength, N/mm ² ASTM D790		55
Adhesive tensile shear, N/mm ² ASTM D 1002		14
Cure shrinkage, cm ² /cm ASTM D2566		0.002
Colour		Red/Blue/White
Coverage, m ² /kg @ 0.5mm thickness		1.19
Dielectric strength kv/mm		15

CHEMICAL RESISTANCE	
7 Days Room Temperature Cure, 30 days immersion	
Nitric Acid, 10%	Very good
Hydrochloric Acid, 10%	Excellent
MEK	Poor
Sulphuric Acid, 10%, 50%	Excellent, very good
Toluene	Excellent
Ammonia	Very good
Sodium Hydroxide, 10%	Excellent

ORDERING INFORMATION		
Item	Unit size	Stock No.
Brushable Ceramic Red	500mg	11752

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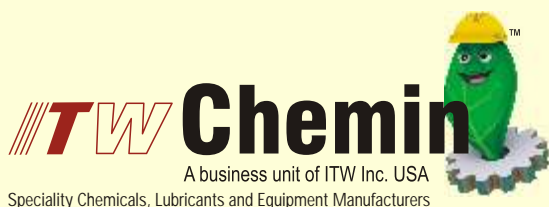


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