

Typical Properties

PROPERTY	ALUMA COAT – TW TROWELLABLE	ALUMA COAT – BR BRUSHABLE
Type	Two component Epoxy Resin based doped with 80-85% spherical Alumina Oxide Beads	Two components Epoxy Resin based doped with 80% fine sintered ceramic powders.
Colour	White	Terracotta Brown and Grey.
Appearance at 25°C/77°F	Granular highly viscous paste.	Smooth highly viscous paste.
Average particle size.	0.4mm - 0.8mm	60 - 65 microns.
Mixing Ratio Part I : Part II Epoxy Resin : Hardener	100:4gms by weight	100:8gms by weight
Pot Life 25°C/77°F for 500 gms Mix.	30 - 45 minutes	30 - 45 minutes
Initial setting time at 25°C/77°F	4 - 5 hrs.	4 - 5 hrs.
Curing time at 25°C/77°F	24 hrs. for about 5 - 6 mm Thick Coating.	24 hrs. for about 0.8 - 1 mm Thick Coating.
Application method	By Trowel.	Brush / Spray
Thinning recommended by commercially available Acetone / Xylene.	Thinning with Acetone or Xylene not recommended.	As per consistency required. (Approx. 5-10% for brush application) For spray application use as per consistency required
Over coat time or time interval between two coats.	Over coat is not recommended.	After approx. 6-8 Hrs. or when 1st coat has just become tack free.
Recommended thickness.	About 5 - 6 mm.	About 0.8 - 1 mm Thick.
Approximate coverage per Kg. mix.	0.1 m ² /Kg. at about 5 mm. Thick coating.	0.7 m ² /Kg. at about 0.8 - 1 mm Thick coating.

Maxi service temperature	150°C / 302°F	150°C / 302°F
Compressive strength as per(ASTM-695 Standards)	840 Kg./cm ²	840 Kg./cm ²
Flexural strength (ASTM-790)	700 Kg./cm ²	700 Kg./cm ²
Adhesive strength.	90 - 95 mpa.	90 - 95 mpa.
Shore 'D' Hardness (ASTM-D-2240)	85-90	85-90
Salt / Cyclic corrosion Test. According to ASTM B-117-97 standards after 400 Hrs. of test at 35°C, PH value 7.2, Humidity 95% RH	No changes observed.	No changes observed.