

# Product Data Sheet



## Rapid Coat Rebar Coating

**Product Description:** - Rapid Coat Rebar Coat is especially designed for protection of Rebar used in civil structure to give corrosion resistant property to rebar there by improving the overall civil structure life term.

Rapid Rebar Coat is normally applied to TMT at Pre-Heat Temperature 230°C to 250°C.

**Storage Condition:** - Shelf life of the powder is up to 12 months if stored at temperature less than 25°C with relative humidity level of 65%.

Description	Standard	Results
Gloss	@ 60° head	>85
Gel Time	Hot Plate Method @ 160°C @ 200°C @ 240°C	50-55 Sec 25-30 Sec 20-25 Sec
Density	Liquid Displacement Method	1.4±0.05 g/cm <sup>3</sup>
Particle Size	Microtrac S-3500	25-30% @32μ 60-65% @63μ 98-100% @150μ
Cure Time	@230°C @250°C	50 Sec 40 Sec
Thermal Characteristics	DSC	Tg 1 = 60°C ± 3°C Tg 2 = 105°C ± 5°C
Coating Thickness	ASTM D-7091-05	150μm-300 μm
Hardness	Pencil Hardness ASTM-D-3363-05	4H
Flexibility	ASTM 775 A Bar No. 6, 180°	No Cracking
Cathodic-Disbondment	ASTM GB-92 168 hours @ 24°C	2-3 mm
Impact Resistance	ASTM G-14-72	No Cracking
Salt Spray Resistance	ASTM B117 1000 Hours @ 35°C	2-3 mm
Cupping Test	Erichsen Cupping (mm) ISO 20482	9 mm

\*Note the performance of the product given above is done at lab scale and substrate is not chemically pre-treated.

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