Corro-Coat EP-F 1035

Product Description

Corro-Coat EP-F 1035 is a Fusion Bond Epoxy coating for high operating temperatures designed as a stand-alone anticorrosion coating, typically applied up to 500µm (20 mil) thickness. Higher thickness is used for applications under concrete weight coating.

Corro-Coat EP-F 1035 is normally applied in the temperature range of 210°C to 245°C (410°F to 473°F).

Operating Conditions

Corro-Coat EP-F 1035 is suitable for operating at continuous temperatures up to 130°C (266°F) in dry conditions and a maximum of 125°C (227°F) in wet conditions.

Storage Conditions

A shelf life of at least 12 months is obtained when stored at maximum 25°C (77°F) with relative humidity of 65%. Do not exceed 33°C (91°F).

Typical Powder Properties

Description	Norm	Result
Cure time	CSA-Z245.20-06 (12.1)	< 90 seconds.
Gel time	CSA-Z245.20-06 (12.2)	22 - 28 seconds.
Moisture content	CSA-Z245.20-06 (12.4B)	Below 0.50% (at time of manufacture).
Density	CSA-Z245.20-06 (12.6)	1300 ± 50 g/l.
Particle size	CSA-Z245.20-06 (12.5)	99.8% below 250 micron.
Flexibility	CSA-Z245.20-06 (12.11) 3.0° PPD @ -30°C (-22°F)	Pass.
Strained polarization*	CSA-Z245.20-06 (12.13) 28 days	Pass/no cracking.
Hardness	Shore D ASTM D2240-97	Average of 85.
Impact resistance	CSA-Z245.20-06 (12.12)	> 3.0 J (26.6 in.lb).
Dielectric strength	ASTM D149-95	> 550v per 25 microns (1 mil).
Electrochemical impedance		Maximum 13.3 logZ ohms.cm^2.
Thermal characteristics	CSA-Z245.20-06 (12.7)	Tg 1 = 42-52°C (107-126°F). Tg 2 = 140-154°C (284-309°F). Delta H = 100-130 J/g. Delta Tg = ± 5°C (9°F). C (%) = > 96%.
Adhesion*	CSA-Z245.20-06 (12.14) 75°C (167°F), 24 hours	Rating 1 or 2.
Cathodic disbondment*	CSA-Z245.20-06 (12.8) 24 hours, 3.5v, 65°C (149°F) 28 days, 1.5v, 20°C (68°F) Modified CSA-Z245.20-06 (12.8) 28 days, 1.5v, 95°C (203°F)	2 - 4 mm radius average. 3 - 8 mm radius average. 4 - 7 mm radius average.

** The performance of the coating is based on substrates which have not been chemically pretreated.*

Recommended repair system

Jotun 120T640 two-component epoxy from Jotun Powder Coatings.

Note: The information on this Product Data Sheet is given to the best of the manufacturer's knowledge, based on laboratory testing and practical experience. However, as the product is often used under conditions beyond the manufacturer's control, only the quality of the product itself can be guaranteed. Jotun Powder Coatings reserves the right, without notice, to alter or change the content of this Product Data Sheet.

Jotun Powder Coatings. Revised January 2008
THIS PRODUCT DATA SHEET SUPERSEDES ALL PREVIOUSLY ISSUED VERSIONS.

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JPC-PDS-FUN-1459EN-0108