

Technical Data

Corro-Coat EP-F 8201



Jotun Protects Property

Product Description

Corro-Coat EP-F 8201 is the middle layer in the J-trac fusion bond epoxy coating system, typically applied up to 300 µm (12mil) thickness.

The J-trac system consists of 200-300 µm (8-12 mil) inner layer Corro-Coat EP-F Series 8100, 200-300 µm (8-12 mil) middle layer Corro-Coat EP-F Series 8200 and 200-300 µm (8-12 mil) outer layer Corro-Coat EP-F Series 8300.

Corro-Coat EP-F 8201 is normally applied in the temperature range of 230°C to 245°C (446°F to 473°F).

Operating Conditions

Corro-Coat EP-F 8201 is suitable for operating at continuous temperatures up to 100°C (212°F) in dry conditions and a maximum of 90°C (194°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) during transport.

Typical Powder Properties

Description	Norm	Result
Moisture content	CSA-Z245.20-06 (12.4B)	Below 0.50% (at time of manufacture)
Density	CSA-Z245.20-06 (12.6)	1100 g/l
Particle size	CSA-Z245.20-06 (12.5)	99.8% below 250 µm (60 mesh)
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
Impact resistance*	CSA-Z245.20-06 (12.12)	> 9.0 J
Dielectric strength	ASTM D149-95	> 550v per 25 µm (1 mil)
Thermal characteristics**	CSA-Z245.20-06 (12.7)	Tg 1 = 50-66°C (122-151°F)
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)	2.0 mm radius average
	28 days, 1.5v, 20°C (68°F)	3.5 mm radius average
	Modified CSA-Z245.20-06 (12.8)	
	28 days, 1.5v, 95°C (203°F)	3.0 mm radius average

* The performance of the coating is based on a complete J-trac system.

** Thermal characteristics are not comparable to standard epoxy systems and Delta H and Tg2 are not measurable.

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.

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THIS PRODUCT DATA SHEET SUPERSEDES ALL PREVIOUSLY ISSUED VERSIONS.