

Technical Data

Jotaguard VA 5001



Jotun Protects Property

Product Description

Jotaguard VA 5001 (formerly Corro-Coat EP-F 5001) is a fusion-bonded epoxy designed as an anti-corrosion coating for valves and fittings.

The product conforms to BS 6920 at 85°C (185°F) for use in contact with drinking water and is listed by the WRc Group for use in contact with hot and cold potable drinking water.

Application Conditions

Application conditions depend on factors such as specification, plant capability and object characteristics. Typical application temperature is 190°C to 240°C (374°F to 464°F)

Typically, the product is applied up to a thickness of 500 µm (20 mil).

Storage Conditions

A shelf life of at least 12 months is obtained when stored at maximum 25°C (77°F).

Typical Powder Properties

Description	Norm	Result
Gel time	ISO 8130.6 @ 200°C (392°F)	25-65 seconds
Gel time	ISO 8130.6 @ 240°C (464°F)	5-35 seconds
Moisture content	CSA-Z245.20-06 (12.4B)	Below 0.50% (at time of manufacture)
Time to cure	@ 240°C (464°F)	50-150 seconds
Time to cure	@ 220°C (428°F)	150-250 seconds
Time to cure	@ 200°C (392°F)	250-350 seconds
Gloss	@ 60 degrees	70-90
Hardness	Buchholz DIN 53153/ISO 2815	80
Abrasion resistance	ASTM D1944, 1000 g load, 3000 cycles, CS17 wheels	< 0.200 g weight loss
Water Immersion	ASTM D-870, distilled water	3000 hours, no blistering or loss of adhesion

Chemical Resistance

Acetic acid 10%	Excellent
Acetic acid concentrated	Little/no resistance
Acetone	Limited resistance
Ammonia 10%	Limited resistance
Ammonia, concentrated	Limited resistance
Butanol	Excellent
Citric acid 10%	Limited resistance
Crude oil	Excellent
Cyclohexanone	Little/no resistance
Distilled water	Excellent
Edible oil	Excellent
Ethyl acetate	Limited resistance
Ethyl alcohol 96%	Excellent
Glycerol	Excellent
Hydrochloric acid 10%	Limited resistance
Hydrogen peroxide	Limited resistance
Isopropyl alcohol	Excellent
Lactic acid 10%	Excellent
Methyl-ethyl ketone	Limited resistance
Na-hypochlorite, dilute	Limited resistance
Nitric acid 10%	Limited resistance
Nitric acid 3%	Limited resistance
Nitric acid 30%	Limited resistance
Petroleum	Excellent
Phenol	Little/no resistance
Phosphoric acid 10%	Excellent
Phosphoric acid 4%	Excellent
Phosphoric acid 43%	Excellent
Seawater	Excellent
Sodium bi-chromate	Excellent
Sodium carbonate 10%	Excellent
Sodium chloride 2%	Excellent
Sodium chloride 20%	Excellent
Sodium hydroxide 30%	Excellent
Sodium hydroxide 5%	Excellent
Sulphuric acid 20%	Excellent
Tap water	Excellent
Toluene	Excellent
Turpentine	Excellent
Urea	Excellent
Xylene	Excellent

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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