

Jotapipe DL 3032

PRODUCT DESCRIPTION

Jotapipe DL 3032 is an Abrasion Resistant Overcoat (ARO) fusion-bonded epoxy for lines operating at elevated temperatures up to 130°C.

Jotapipe DL 3032 protects Jotun's stand-alone High Operating Temperature (HOT) anti-corrosion FBE coatings against mechanical damage during handling, backfilling, directional drilling and general operation during the pipeline service life.

POWDER PROPERTIES

Property	Standard	Result
Cure time	CSA-Z245.20 (12.1) 232 °C (450 °F)	< 90 seconds
Gel time	CSA-Z245.20 (12.2) 205 °C (400 °F)	14-22 seconds
Moisture content	CSA-Z245.20 (12.4B)	Below 0.50 % (at time of manufacture)
Particle size	CSA-Z245.20 (12.5)	3.0 % max retained on 150 µm (100 mesh) 0.2 % max retained on 250 µm (60 mesh)
Density	CSA-Z245.20 (12.6)	1400 ± 50 g/l
Thermal characteristics	CSA-Z245.20 (12.7) Inflection point	T _{g1} = 43-55 °C (109-131 °F) T _{g2} = 142-151 °C (288-304 °F) ΔH = 110-155 J/g

Powder DSC heating cycles, 20 °C/min: 30-70 °C (conditioning), 30-255 °C (T_{g1} and ΔH), 30-170 °C (T_{g2}). Cured film DSC heating cycles, 20 °C/min: 30-160 °C hold 1.5 min (conditioning), 30-255 °C (T_{g3}), 30-170 °C (T_{g4})

Storage

Keep in a dry cool area. Maximum temperature 25°C (77°F). Maximum relative humidity 60 % a shelf life of 12 months can be obtained from the date of manufacture.

APPLICATION

Powder application

This product is applied immediately after the primary coating.

Application conditions	Typical application temperature	Typical film thickness
Jotun stand-alone HOT coating	220-245 °C (428-473 °F)	300-500 µm (12-20 mils)
Jotapipe DL 3032	210-240 °C (410-464 °F)	300-450 µm (12-18 mils)

Please refer to the relevant Application Guide for guidelines on the factory application of this product.

Please refer to Technical Information Sheet for Jotun Dual-layer ARO for typical system properties.

Repair system

Jotapipe RC 490

Sustainability

Powder coating is applied in air-and-powder mix in a strictly controlled factory process using electrostatic gun and a high temperature curing oven to create film. Virtually no VOCs are released in the process compared to traditional liquid paints. Unused or oversprayed powder can be recycled with minimal wastage. In addition, all Jotun Powder Coatings' products do not contain intentionally added lead.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.