

Jotapipe DL 3031

PRODUCT DESCRIPTION

This product is a fusion-bonded epoxy coating for high temperature operation designed for use as an anti-slip rough coat to improve adhesion between Jotapipe HT series of FBE coatings and concrete. This product is suitable for pipelines and downhole piping and tubing operating up to 140°C.

POWDER PROPERTIES

Property	Standard	Result
Gel time	CSA-Z245.20 (12.2) 205 °C (400 °F)	6-12 seconds
Particle size	CSA-Z245.20 (12.5)	0.2 % max retained on 250 µm (60 mesh)
Density	CSA-Z245.20 (12.6)	1670 ± 50 g/l
Thermal characteristics	CSA-Z245.20 (12.7) Inflection point	Tg1 = 45-60 °C (113-140 °F) Tg2 = 140-150 °C (284-302 °F) ΔH = 60-90 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}).

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
Typical application	210-240 °C (410-464 °F)	75-125 µm (3-5 mils)

DL 3001 shall be applied immediately after completion of gel time of the previous layer of FBE. Application and cure temperature recommendations of the first layer shall be followed and extra 30 seconds before quenching shall be added.

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.