

Jotapipe DL 3002

PRODUCT DESCRIPTION

This product is a fusion-bonded epoxy designed for use as a topcoat to protect Jotun FBE coatings from mechanical damage during handling, backfilling, directional drilling and throughout the service life.

POWDER PROPERTIES

Property	Standard	Result
Cure time	CSA-Z245.20 (12.1) at 232 °C (450 °F) Jotapipe DL 3002 15S Jotapipe DL 3002 21S	Maximum 30 seconds Maximum 60 seconds
Gel time	CSA-Z245.20 (12.2) at 205 °C (400 °F) Jotapipe DL 3002 15S Jotapipe DL 3002 21S	12-18 seconds 18-24 seconds
Moisture content	CSA-Z245.20 (12.4B)	Maximum 0.50 % (at time of manufacture)
Particle size	CSA-Z245.20 (12.5)	Maximum 3.0 % retained on 150µm (100 mesh) Maximum 0.2% retained on 250µm (60 mesh)
Density	CSA-Z245.20 (12.6)	1480 ± 50 g/l
Thermal characteristics	CSA-Z245.20 (12.7) Inflection point	Tg1 = 55-70 °C (131-158 °F) Tg2 = 98-110 °C (208-230 °F) ΔH = 40-60 J/g

**Powder DSC heating cycles, 20 °C/min: 30-70 °C (conditioning), 30-270 °C (T_g1 and ΔH), 30-140 °C (T_g2). Cured film DSC heating cycles, 20 °C/min: 30-110 °C and hold 1.5 min (conditioning), 30-270 °C (T_g3), 30-140 °C (T_g4).*

Storage

Keep in a dry cool area. Maximum relative humidity 60 %. When stored at a maximum 25 °C (77 °F), a shelf life of 12 months is 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 FBE coating	232-250 °C (450-482 °F)	300-400 µm (12-16 mils)
Jotapipe DL 3002	200-250 °C (392-480 °F)	300-400 µm (12-16 mils)

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

PERFORMANCE

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

Repair system

Jotapipe RC 490

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.