

Jotapipe RC 490

PRODUCT DESCRIPTION

This product is a two-component epoxy repair system for use with Jotun fusion-bonded epoxy coatings. It is supplied in a cartridge for easy handling, providing accurate proportioning and low wastage.

Operating conditions

Jotapipe RC 490 is suitable for repairs on pipelines operating at temperatures up to 155 °C (311 °F). It may show some discolouration when exposed to higher temperatures. Product performance including maximum operating temperature can depend on application and local field conditions.

PROPERTIES

Property	Standard	Result
Flash point		102 °C (216 °F)
Viscosity		Non smooth paste
Solids by volume %		100 %
Dry film thickness		0.2-2.0 mm
Coverage	Per cartridge	0.2 m ² at 2 mm (2.2 ft ² at 79 mil)
Mixing ratio by volume		1:1
Packaging		400 ml side by side cartridge, 10 per box
Weathering		Excellent but chalks

Storage

Keep in a dry cool area. When stored at 10-25 °C (50-77 °F), a shelf life of 24 months is obtained from the date of manufacture.

APPLICATION

Pinholes, coating damages due to handling, etc shall be repaired using Jotapipe RC 490 two-part liquid repair compound. Maximum size of such repair area shall be limited to 100 cm². Pinholes can be patched directly, after roughening the FBE coating around it. Larger defects with exposed steel shall be cleaned to remove debris, dust and rust, if present. Edges of FBE around the defects shall be roughened using sand paper to a width of minimum 10 mm. Patch shall be applied on the defect area and shall be allowed to cure as per curing table.

Jotapipe RC 490 is easy to use. Squeeze the required amount of material near the patch location. Mix well with a stiff spatula or knife. Smooth the patch to the desired thickness. For best results do not apply below 10 °C (50 °F).

Curing

Resin cartridge Temperature	T Work	Base Material Temperature	T Load
+10 to +15°C	20 mins	+5 to +10°C	24 hrs
		+10 to +15°C	12 hrs
+15 to +20°C	15 mins	+15 to +20°C	8 hrs
+20 to +25°C	11 mins	+20 to +25°C	7 hrs
+25 to +30°C	8 mins	+25 to +30°C	6 hrs
+30 to +35°C	6 mins	+30 to +35°C	5 hrs
+35 to +40°C	4 mins	+35 to +40°C	4 hrs
+40°C	3 mins	+40°C	3 hrs

Note: TWork is typical gel time at the highest base material temperature in the range. TLoad is minimum set time required until load can be applied at the lowest base temperature in the range.

Disclaimer

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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.