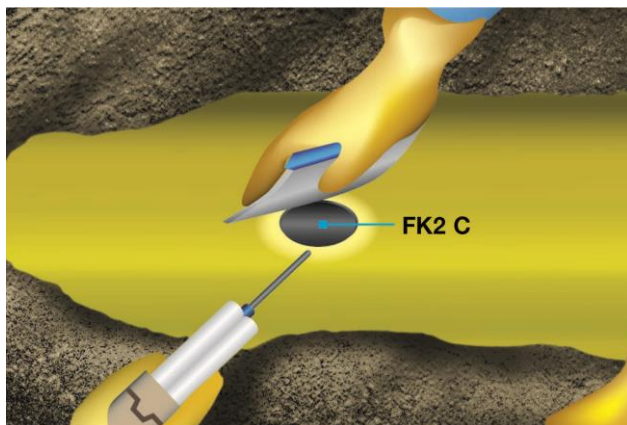


LIQUITOL[®]-FK2 C

LIQUITOL[®]-FK2 C Repair Compound



Product information



Special advantages:

- ✓ Corrosion prevention for increased requirements.
- ✓ Easy and fast processing.
- ✓ Can be applied by a palette-knife and without prime coat!
- ✓ B Typ 3 EN 10290: Fulfills the requirements in accordance with EN 10290 (class B, type 3), and DIN 30677-2.
- ✓ Significantly faster in the application than traditional repair systems on the basis of melt sticks and repair patches.

Two component polyurethane spread coating for the corrosion protecting coating of the buried armatures and fittings as well as for the holiday repair of anti-corrosion coatings made from PE, PP, EP, PUR.

DEKOTEC GmbH stands for experience, quality and reliability in the field of corrosion prevention and sealing technology. The success is based on the development of the Petrolatum-Tape which was already developed in 1927 as the first product worldwide for passive corrosion prevention of pipelines. We establish and guarantee the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees are continuously implementing safe and individual solutions in a personal cooperation with the customer.

Description

LIQUITOL[®]-FK2 C is a two component polyurethane corrosion prevention coating. Can be applied with a palette-knife or can be spread with a brush (only 400 ml cartridge). It is applied without primer on the metallic blank steel and the activated factory coating. LIQUITOL[®]-FK2 C allows for easy processing due to cartridge packaging. In accordance with the requirements in accordance with EN 10290 (class B, type 3), and DIN 30677-2. The 50 ml packages is adjusted thixotropic and can therefore easily be used in the 6 o'clock position. The curing time is adapted to the package size.

Use of product: Corrosion prevention of buried steel pipes, containers, armatures and fittings as well as the repair of defects in corrosion prevention coatings made of PE, PP, PUR and Epoxy.

Material consumption:
Range for 2 mm layer thickness:
400 ml cartridge: app. 0.175 m²
50 ml cartridge: app. 200 cm²

Product processing:
Please adhere to the separately available processing recommendations **LIQUITOL[®]-FK2 C** and **LIQUITOL[®]-FK2 C Repair Compound** 50 ml.

Cartridge dispensers:

DEKOMIX[®]-50

Cartridge dispenser for 50 ml cartridges including 4 plastic pallet knives.

DEKOMIX[®]-400 M

Manual cartridge dispenser for 400 ml cartridges.

DEKOMIX[®]-400 P

Pneumatic cartridge dispenser for 400 ml cartridges.

Typical product properties

Property	Unit	Typical value	Test method
Layer thickness	mm	≥ 1.5 mm (FK2-C) ≥ 2.5 mm (FK2-C Repair Compound)	ISO 2808
Stress class	-	Class B, type 3	EN 10290
Free of pores at	8 kV/mm, max 20 kV	-	Fulfilled
Impact resistance	+23°C (+73°F)	J/mm	≥ 5
	-5°C (+23°F)		≥ 3
Indentation resistance	dry, +23°C (+73°F)	mm	≤ 0.1
	dry, +80°C (+176°F)	%	≤ 27
Elongation at break	%	≥ 18	EN 10290
Specific electrical insulation resistance	+23°C (+73°F)	Ω · m ²	≥ 10 ¹⁰
	+80°C (+176°F)		≥ 10 ⁴
Adhesive strength	v-cut, +23°C (+73°F)	mm	≤ 1
	v-cut, +80°C (+176°F)		≤ 1
	Pull-off, +23°C (+73°F)	N / mm ²	≥ 16
	Pull-off, +80°C (+176°F)		≥ 3
Adhesion after thermal aging	+100°C (+212°F), 100 days	N / mm ²	≥ 17
Cathodic disbondment	+23°C (+73°F), 30 days	mm	≤ 3.0
	+60°C (+140°F), 2 days		≤ 2.5
Hardness	+5°C (+41°F)	Shore D	77 +/- 5
	+23°C (+73°F)		74 +/- 5
	+40°C (+104°F)		66 +/- 5
	+70°C (+158°F)		45 +/- 5
Density	g/cm ³	app. 1.4	-
Operating temperature	°C (°F)	-20 to +80 (-4 to +176)	EN 10290

Hardening times		10°C	20°C	40°C
50-ml cartridge	Pot life	app. 75 sec	app. 60 sec	app. 50 sec.
	tack-free	app. 40 min	app. 10 min	app. 5 min
	resilient	app. 4 h	app. 2 h	app. 1.5 h
400-ml cartridge	Pot life	app. 5 min	app. 4 min	app. 3 min
	tack-free	app. 60 min	app. 30 min	app. 25 min
	resilient	app. 24 h	app. 8 h	app. 7 h
Processing temperature	Substrate	≥ +10°C (≥ +50°F); min. +3°C (+5,4°F) above dew point		
	Environment	+5°C to +50°C (+41°F to +122°F)		
	Material	+15°C to +30°C (+59°F to +86°F)		
Steel surface	Degree of cleanliness (ISO 8501-1)	min. Sa 2 ½		
	surface roughness (ISO 8503-1)	40 - 100 µm		
Relative humidity		≤ 80%		

Ordering information and packaging

LIQUITOL®-FK2 C and LIQUITOL®-FK2 C Repair Compound

Cartridge sets including static mixers in box.

Color	Content per cartridge		Content per box	
	Volume (ml)	Weight (g)	Number of cartridges	Weight (g)
Black	50	64	6	384
Black	50	64	20	1280
Black/gray	400	520	5	2.600

Storage

When stored in its original, unopened packaging, LIQUITOL®-FK2 C can be stored for at least 12 months after the manufacturing date.

Storage temperature: +15°C (+59°F) to +30°C (+86°F). Short term (transport): +5°C (+41°F) to +50°C (+122°F).

The product must be stored in a dry and frost free location.

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