

PREMIER™ PATCH C50

With Indicator

Description

Premier™ Patch C50 consists of a cross-linked and stabilised polyethylene carrier foil, coated on one side with thermoplastic melt adhesive. The outer side of the patch is stamped with a tangible thermal indicator.

Uses

Repair of small mechanical defects in polyethylene or polypropylene factory coatings of buried or immersed low-alloy steel pipelines.

Features

- Compliant to DIN 30 672 (12/2000) and DIN EN 12 068
- Stress class C50 (DIN 30 672)
- Suitable for temperature up to 50°C
- Patch set consists of Premier™ Patch C50, Filling Agent (40 mm x 40 mm x 5 mm) and Emery Cloth P80 (25 mm x 280 mm)

Application

Surface Preparation: Dry the damaged area by heating with blue-yellow propane flame. Remove contamination with a hand wire brush. Oily residue to be removed with solvent such as petroleum naphtha and cloth. Cut off any non-adhering pre-existing coating and chamfer the edges with a hand rasp. Heat the prepared area with blue-yellow propane gas flame until the surface is shiny. Roughen the repair section with Emery Cloth P80 or hand wire brush in circumferential direction.

Repair Application: Knead Filling Agent into defect and spread evenly with the pipe surface. Activate the adhesive side of the Premier™ Patch C50 with blue-yellow propane gas flame by heating to for approximately 3 seconds. Position and press the patch centrally over the damaged spot. The repair patch must overlap the undamaged factory coating by a minimum 50 mm in all directions. Heat up the patch homogeneously with blue-yellow propane flame until the thermal indicator is no longer tangible.



Premier™ Patch C50

Property Specifications

PROPERTIES	VALUE
Colour (carrier foil)	<i>Black</i>
Thickness of carrier foil	<i>0.80 mm</i>
Thickness of adhesive coating	<i>0.45 mm</i>
Total thickness	<i>1.25 mm</i>
Impact resistance* (DIN EN 12068)	<i>16 J</i>
Indentation resistance* at 50°C (DIN EN 12068)	
Pressure	<i>10 N/mm²</i>
Residual thickness	<i>0.8 mm</i>
Elongation at break (DIN EN 12068)	<i>600%</i>
Tape strength (DIN EN 12068)	<i>28 N/mm</i>
Peel strength on factory coating (DIN EN 12068)	<i>10 N/mm (23°C), 1.5 N/mm (50°C)</i>
Lap shear strength on factory coating	<i>1.0 N/mm (23°C), 0.27 N/mm (50°C)</i>

*Tested with Filling Agent

STORAGE: In dry, ambient temperature and away from heat and direct sunlight.

PACKAGING: Set consists of Premier™ Patch C50 (140 mm x 170 mm), Filling Agent (40 mm x 40 mm x 5 mm) and Emery Cloth P80 (25 mm x 280 mm).

Carton weight: 1.0 kg (15 sets/carton)



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