

STOPAQ® PE REPAIR PATCH

Product Information

Product description: Stopaq® PE Repair Patch is a coating repair patch for plant-applied PE pipeline coating. It is made of a radiation-cross-linked, unexpanded high density polyethylene backing with a copolymer adhesive. Stopaq® PE Repair Patch is used as mechanical protection applied on Stopaq® corrosion preventative products such as Stopaq® Paste CZH and Stopaq® Wrappingband CZH.

Features:

- Excellent adhesion to plant-applied PE pipeline coatings
- · Resistant to high shear forces

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- Adaptable repair system
- · Fast and easy installation

Application examples

Pipeline coating spot repair: Repair of damages to plant-applied PE pipeline coatings that occurred during pipe transportation, storage or pipe laying.

Coating of pin brazes for Cathodic Protection: Provides mechanical protection to Stopaq® corrosion preventative products against impact, indentation and shear forces.

Product properties of Stopaq® PE Repair Patch				
Thickness (as	Backing: 0,76 mm [30 mils]			
supplied)	Adhesive: 0,80 mm [31 mils]			
Temperature range	Operational: Max. 70 °C [158 °F]			
Tensile strength	17 MPa [2450 psi] (ASTM D638) *)			
Elongation at break	400 % (ASTM D638) *)			
Hardness	55 shore D (ASTM D-2240) *)			
Lap shear strength	0,10 N/mm² [14.5 psi] (EN 12068) *)			
Adhesion	Peel strength to plant coating PE (EN 12068):			
	 — @23 °C [73 °F] ≥ 10 N/mm [1000 ozf/in] *) 			
Impact resistance	≥ 15 J [132 in.lbf] (EN 12068) *)			
Indentation	Pass when tested with 10 N/mm ² [1450 psi] @ 70 °C			
resistance	[158 °F] (EN 12068) *)			

^{*)} typical values

cypical raid					
General order information					
Product		Stopaq® PE Repair Patch is available in rolls, packed			
		in cardboard boxes:			
	Art. Nr.:	Product dimensions and contents:			
	1360	450 mm x 10 m [17.7 in x 33 ft], 1 roll/box			
Handling		Handle with care. Keep boxes upright.			
Storage		Store indoor, clean and dry, away from direct			
		sunlight in a cool place below +40°C.			

Application instruction - Brief version

See specific Stopaq coating instructions for coating repair, pin-brazes, etc.

Tools, equipment and	
auxiliaries	

- Gas torch, temperature probe, measuring tape, marker pen, knife, scissors, abrasive pads, sand paper (coarse grit), siliconized roller, SFL™ Substrate Cleaner, lint-free cloth.

 Personal protective gear: heat protective
- gloves, goggles, etc.

Application	instruction -	Brief version (continued)

Additional coating Prior to application of the Stopaq® PE Repair Patch, materials bare steel surfaces must be coated with Stopaq® corrosion preventative products like:

- Stopaq® Paste CZH
- Stopaq® Wrappingband CZH

Cutting to appropriate size

Cut a piece of Stopaq® PE Repair Patch from the roll that is sufficiently large to overlap the adjacent pipeline coating by at least 50 mm [2"] on all sides. Round the square corners by cutting them off.

Surface preparation of existing coating

Sharp and protruding parts of existing pipeline coating must be cut away. Edges of existing pipeline coating must be bevelled with a slight angle. A sufficiently large area of existing coating around the repair spot must be sanded, such in order to ensure proper adhesion of the Stopaq® PE Repair Patch. The sanded area must exceed the dimensions of the Stopaq® PE Repair Patch to be applied. After sanding the surface must be cleaned with SFL™ Substrate Cleaner and a lint-free cloth, and the surface shall be free from dust, soil, grease and other contaminants.

Preheating of existing coating

Preheat the adjacent existing coating to a temperature of approx. 70°C [158°F]. Avoid excessive heating of Stopaq® corrosion preventative products, existing coating, and cables for cathodic protection.

Application

Place the Stopaq® PE Repair Patch on the repair spot, the existing coating must be overlapped by at least 50 mm [2"] on all sides. Gently heat the Stopaq® PE Repair Patch from the centre towards the edges using the gas torch. Avoid excessive heating of Stopaq® corrosion preventative products underneath. Use the siliconized roller to achieve adhesion of the patch to the existing coating and to remove any air inclusions. The adhesive should become visible at the edges. Rolling the area coated with Stopaq® corrosion preventative products should be avoided. The embossed pattern initially present in the product will vanish when sufficient heat has been applied.

Handling and commissioning after installation

Objects coated with Stopaq® PE Repair Patch should not be exposed to excessive loads before cooling down to ambient temperature. Burying is possible after the coating has cooled down to ambient temperature. Backfill and compact with clean sand and filling material without sharp stones or hard lumps of soil.

Information

Documentation

Extensive information is available on our web-site.

Application instructions and other documentation can be obtained by contacting our head office, from our local distributor or by sending email to info@sealforlife.com

Certified staff

Application of the described coating system should be carried out by certified personnel.



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DISCLAIMER: Seal For Life Industries warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Seal For Life Industries' written instructions. Because many installation factors are beyond the control of Seal For Life Industries, the user shall determine the suitability of the products for the intended uses and assume all risks and liabilities in connection herewith. Seal for Life's liability is stated in its General Terms and Conditions of Sale. Seal For Life Industries makes no other warranty either express or implied. All information contained in this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.

V 2 / 20191205 (EN) Page 1 / 1