

■ Repairing System DK-PROTEC®

Repair system for damage to corrosion resistant coatings for pipelines.



■ COMPOSITION

Filling mastic - consists of a semi-crystalline adhesive based on stress rubber.

Fusible rod - Based on a thermoplastic adhesive (identical to the repair patch adhesive).

Repair patch - co-extruded, radio-crosslinked polyethylene tape backed up with polymer refractory glue.

■ SPECIAL ADVANTAGES

Fast application without any special tools.

Outstanding shear and peel strength.

Compatible with factory coatings made of PE and bitumen.

The system is ideally suited to tapes and tape systems **DK-BUT®** & **DK-BIT®**.

■ FILLING MASTIC

A mastic with permanent viscoelastic properties is particularly well suited for long-term corrosion protection as a filler for cavities in metal structures.

■ FUSIBLE ROD

Heat-activated adhesive, made in rods, for easy filling of defects.

■ REPAIR PATCH

The radio-crosslinked base film is UV resistant.

■ AREA OF APPLICATION



Repairing System DK-PROTEC® (filling mastic / fusible rod / repair patch) - a system for repairing damage to anticorrosive coatings of pipelines.
Repairing System DK-PROTEC® can be used without any special tools as a quick solution for repairing damage to corrosion resistant coatings of pipelines.

■ RELATED PRODUCTS

Rock Shield DK-PROTEC® - additional mechanical protection of anticorrosive coatings of gas and oil pipelines from physical damage when laying in difficult soils containing inclusions of stones, pebbles and others.

Rock Shield DK-PROTEC® - protects the pipeline during operation from the effects of stony ground in case of its possible displacement.




Rock Shield DK-PROTEC® - protects insulated piping surfaces during transport and installation.

■ PRODUCT PROPERTIES

Properties		Unit	Repair patch	Test method
Adhesive	Thickness	mm	0.65	ASTM D1000
	Softening point	°C (F°)	+100 (+212)	ASTM E 28
	Shear strength + 80 ° C	N/mm	0.07	EN 12068 Annex D
Film base	Thickness	mm	0.75	ASTM D 1000
	Elongation at break	%	400	ASTM D 638
	Hardness	Shore D	50	ASTM D 2240
	Abrasion resistance	mg	50	ASTM D 1044
	Shock resistance + 23 ° C	J	15	EN 12068 Annex C
	Penetration resistance + 80 ° C	N/mm ²	10	EN 12068 Annex G
В составе системы	Adhesion -to primed steel - tape to tape	N/mm	4 0.2	EN 12068 Annex C
	Water absorption	%	0.05	ASTM D 570
	Adhesion to metal after 28 days	N/mm	2.5	ISO 21809-3 Annex I
	Heat shock to the base + 225 ° C, 4 hours	Visual	does not drip, does not leak, does not crack	ASTM D 2671

Other sizes and tolerances available on request

■ TYPE OF PACKAGING

Filling mastic - supplied in rolls.			
Roll width, mm	Roll length, m	Number of rolls in a box, pcs.	
150	10	2	
Fusible rod			
Diameter, mm	Length, mm	Number in a box, pcs.	
25	280	25	
Repair patch - supplied in rolls			
Roll width, mm	Roll length, m	Number of rolls in a box, pcs.	
40	2.5	8	

Other lengths and widths available on request

■ PACKAGING, STORAGE AND TRANSPORTATION

Packaging: carton box, packing is not returned after use.

Storage: in original packaging, in a dry place without load in a horizontal position, in warehouses, open areas under a canopy, protected from sunlight and atmospheric precipitation. When storing **Repairing System DK-PROTEC®** and transporting to the work site, store and transport in a vertical position, no more than six rows - boxes with products. Transportation and storage at a distance of at least 1 m from heat sources.

Shelf life in original packaging is at least 36 months from the date of manufacture.

Storage temperature: ≤ +50°C (+122°F).

Transportation: on pallets, in original packaging, by all means of transport.

■ Consult with us for specific projects or unique applications

The product information shown here our application recommendations and other product related documents are made for your convenience only. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith.

All information contained in this document is to be used as a guide and does not constitute a warranty of specification. The information contained in the document is subject to change without notice.

For this reason, no liability can be accepted for inaccurate advice or any failure to provide advice. The user is responsible for checking the applications of the product and verifying its suitability for the intended use.

This is the original translation of product information from the Polish language.

In case of any discrepancy or any dispute arising on the interpretation of this product information, the Polish text of the respective Polish product information, which is available at www.dkd-korporation.com, shall be decisive.

The legal relationship shall be governed by Polish law.