



■ **System DK-BIT®2454-RF**

2-tape system for corrosion protection of main pipelines.



■ **SYSTEM COMPOSITION**

Bitumen Primer DK-BIT®TERMO is a homogeneous black liquid composition consisting of bitumen-polymer resin, elastomers, corrosion inhibitors, stabilizers, mixed with the appropriate type of solvent.

Reinforced Mastic DK-BIT®1700 is a roll-up bitumen-polymer mastic reinforced with glass mesh.

Join Wrap DK-BIT®1000 - 2-ply PVC tape with a layer of bitumen-polymer mastic on one side



■ **SPECIAL ADVANTAGES**

Designed for corrosion protection of main pipelines of large nominal sizes.
 Maximum mechanical and corrosion protection combined with outstanding flexibility.
 The system forms an impermeable sleeve-like coating in the overlap area.
 The service life as part of a protective coating is at least 30 years.
 Compatible with PE PP PU CTE and bitumen coating.
 Complies with standard DSTU 4219-2003.

■ **AREA OF APPLICATION**



System DK-BIT®2454-RF - used for corrosion protection of main water pipelines, oil pipelines, gas pipelines $\varnothing \leq 1420$.

System DK-BIT®2454-RF is a cold application system based on rolled bitumen-polymer mastic reinforced with glass mesh and bitumen-polymer tape based on PVC.

System DK-BIT®2454-RF - provides maximum corrosion protection for trunk pipelines in new and refurbishment projects. An ideal choice for pipes with both small and large nominal sizes.

■ **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	Bitumen Primer DK-BIT®TERMO
Color		black
Solid content	%	≥ 25
Viscosity at +25°C	s	25 ± 5
Consumption	l/m ²	0.2

Properties	Unit	Reinforced Mastic DK-BIT®1700	Join Wrap DK-BIT®1000
Color	---		black
Total mastic / tape thickness	mm	≥1.7	≥1.0
(without anti-adhesive layer)	mm	---	≥0.6
Backing film thickness	mm	---	≥0.4

■ System DK-BIT®2454-RF =		Bitumen Primer DK-BIT®TERMO
		+ <u>1 ply of Reinforced Mastic DK-BIT®1700 with 50% overlap</u> + <u>1 ply of Join Wrap DK-BIT®1000 with 50% overlap</u>

Properties	Unit	System DK-BIT®2454-RF
Total system thickness	mm	≥ 5,0
Impact strength +20°C (+68°F)	J	15 withstands
Penetration resistance in the temperature range from +20°C to T _{max} and load 10 N/mm ² , not less	%	≥60
Dielectric integrity. No breakdown by electric current at a voltage of 5 kV/mm thickness	---	absent
Transient electrical resistivity of the coating in a 3% NaCl solution at a temperature of +20°C - initial - after 100 days of exposure	Ω×m ²	≥10 ⁸ ≥10 ⁷
Radius of coating delamination at cathodic polarization at: - temperature +20°C -temperature T _{max}	mm	≤11 ≤20
Adhesion of the tape to a primed steel surface at: - temperature +20°C -temperature T _{max}	N /mm	≥2,5 ≥0,7
Tape adhesion to mastic at: - temperature +20°C -temperature T _{max}	N/mm	≥1,5 ≥0,5
Resistance to heat aging. The change in the values of the indicators of the exposed coating is relatively unexposed after exposure to air for 1000 h at a temperature of T _{max} +20°C: - impact strength -adhesive tape to steel	%	≤25 ≤25
Maximum operating temperature	class	50

■ PACKAGING, STORAGE AND TRANSPORTATION

Packaging: metal /polymer/ 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 the **System DK-BIT®2454-RF** and transporting it to the work site, store and transport in an upright position, no more than six rows - boxes with tape, and three rows - containers with primer. 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: ≤ +40°C (+104°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.