



■ **System DK-BUT®2430-HB**

Cold applied 2-tape anti-corrosion system for the protection of metal pipes and pipelines under extreme corrosive conditions and mechanical stress.



■ **SYSTEM COMPOSITION**

Butyl Primer DK-BUT®27 - the primer is a homogeneous black liquid composition consisting of a polymer resin based on butyl rubber, elastomers, corrosion inhibitors, stabilizers, mixed with an appropriate type of solvent.

Join Wrap DK-BUT®1000-HB - co-extruded 2 ply PE tape consist of a stabilized polyethylene carrier film with a butyl rubber adhesive layer on one side.

Outer Wrap DK-BUT®500 - co-extruded, 2-ply, polyethylene tape, consisting of a stabilized polyethylene carrier film and an adhesive layer of butyl rubber on one side.



■ **SPECIAL ADVANTAGES**

Designed for corrosion protection of main pipelines of large nominal sizes.
 Maximum mechanical and corrosion protection combined with outstanding tape flexibility.
 Virtually impervious to water vapor and oxygen.
 Compatible with factory coated PE PP FBE PU CTE and bitumen.
 Complies with standard EN 12068.

■ **AREA OF APPLICATION**



System DK-BUT®2430-HB is a proven solution for the permanent prevention of pipe and weld corrosion in areas of increased risk of corrosion in new installations or refurbishment projects.

System DK-BUT®2430-HB - due to its high flexibility and elasticity, it can be quickly and safely applied to pipeline parts such as welds, T-fittings, connection valves, flanges, elbows, etc.

System DK-BUT®2430-HB is the 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	Butyl Primer DK-BUT®27	Test method
Color		black	visual
Solid content	%	≥ 27	ASTM D 2369
Viscosity at +25°C	mm ² /s	30-60	ASTM D 1200
Consumption	l/m ²	0.2	---

Properties	Unit	Join Wrap DK-BUT®1000-HB	Outer Wrap DK-BUT®500	Test method
Total thickness	mm	1.0	0.5	ASTM D1000
Elongation at break	%	250	400	EN 12068 Annex A
Dielectric integrity	kV/mm	30	22	ASTM D149
Breaking strength	N/mm	4.5	7	ASTM D1000
Water absorption	%	0.1		ASTM D 570

DK-BIT® tapes are easy to apply by hand. To ensure a quality and more efficient application, it is recommended to use original winding devices DK-WORKER®.

■ System DK-BUT®2430-HB =	Butyl Primer DK-BUT®27
	+ 1 ply Join Wrap DK-BUT®1000-HB with 50% overlap + 1 ply Outer Wrap DK-BUT®500 with 50% overlap

Properties	Unit	System DK-BUT®2430-HB	Test method
Electrical insulation resistance	Ω.m ²	10 ⁸	EN 12068
Penetration resistance at +50°C	mm	≥ 0.8	EN 12068
Impact resistance	J	≥ 15	EN 12068
Resistance to cathodic peeling	mm	≤ 15	ASTM G8
Lap shear strength	N/mm ²	≥ 0.05	EN 12068
Dielectric continuity	kV/mm	30	ASTM D 1000
Adhesion: primed steel / Join Wrap DK-BUT®1000-HB at +23°C at +50°C	N/mm	0.7 0.05	EN 12068
Adhesion of tape to tape: Join Wrap DK-BUT®1000-HB / Join Wrap DK-BUT®1000-HB at +23°C at +50°C	N/mm	1.0 0.2	EN 12068
Adhesion of tape to tape: Join Wrap DK-BUT®1000-HB / Outer Wrap DK-BUT®500 at +23°C	N/mm	0.5	EN 12068
Adhesion of tape to tape: Outer Wrap DK-BUT®500 / Outer Wrap DK-BUT®500 at +23°C	N/mm	0.5	EN 12068

■ PACKAGING, STORAGE AND TRANSPORTATION

Packaging : metal / 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-BUT®2430-HB** 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: ≤ +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.



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