



■ **System DK-BUT®2426**

Complies with international standards EN 12068 (class C 50), DIN 30672 (class C 50), ISO 21809-3 type 12A-1 (T_{max} 50°C). 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.

3-ply Wrap DK-BUT®800 - 1 layer with 50% overlap

Co-extruded, asymmetric, 3-ply polyethylene tape, consisting of a stabilized polyethylene carrier film and an adhesive layer of butyl rubber on both sides.

Outer Wrap DK-BUT®500 - 1 layer with 50% overlap

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.
- Self-amalgamation (mixing) of the tapes in the overlap area forms an impermeable sleeve-like coating.
- Virtually impervious to water vapor and oxygen.
- Compatible with factory coated PE.
- DK-BUT® 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®**.

■ **AREA OF APPLICATION**



System DK-BUT®2426 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®2426 self-amalgamation, self-mixing ability in the overlap area creates a completely sealed impermeable sleeve-like coating.

System DK-BUT®2426 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
Solid content	% by weight	≥ 27	ISO 3251
Flash point	°C	10-12	ISO 1523
Density	g/cm ³	0.80	ISO 2811-1
Coverage area	m ² /l	7.5	---

Properties	Unit	3-ply Wrap DK-BUT®800	Outer Wrap DK-BUT®500	Test method
Colour	---	black	white	---
Minimum total thickness	mm	0.8	0.5	ISO 4591 ISO 4593
PE backing: colour thickness	---	black 0.3	white 0.3	---
Adhesive layer of butyl rubber inside: colour thickness	---	silver 0.35	black 0.2	ISO 4591 ISO 4593
Adhesive layer of butyl rubber outside: colour thickness	---	black 0.15	---	---
Tape strength	N/mm	10	7	ISO 527-3
Elongation at break	%	600	400	ISO 527-3
Ultraviolet irradiation resistance	---	---	yes	EN 12068

Properties	Unit	System DK-BUT®2426	Test method
Thickness	mm	≥ 2.6	ISO 21809-3
Holiday detection: no holiday at:	kV/mm	30	ISO 21809-3
Impact resistance at + 23°C	J J/mm	≥ 15 ≥ 4	EN 12068 ISO 21809-3
Indentation resistance Pressure at + 23°C at T _{max} Residual thickness at + 23°C	N/mm ² mm	 10.0 10.0 ≥ 0.8	 EN 12068 ISO 21809-3
Specific electrical insulation resistance	Ω.m ²	10 ⁸	EN 12068
Cathodic disbondment resistance, 28 days at + 23°C	mm	≤ 15	EN 12068 ISO 21809-3
Peel strength between tape layers 3-ply Wrap DK-BUT®800 / 3-ply Wrap DK-BUT®800 at + 23°C at T _{max}	N/mm	≥ 2.4 ≥ 0.5	EN 12068 ISO 21809-3
Peel strength between tape layers 3-ply Wrap DK-BUT®800 / Outer Wrap DK-BUT®500 at + 23°C at T _{max}	N/mm	≥ 1.5 ≥ 0.5	EN 12068 ISO 21809-3
Peel strength between tape layers Outer Wrap DK-BUT®500 / Outer Wrap DK-BUT®500 at + 23°C at T _{max}	N/mm	≥ 0.5 ≥ 0.5	EN 12068 ISO 21809-3
Peel strength to steel surface at + 23°C at T _{max}	N/mm	≥ 1.2 ≥ 0.5	EN 12068 ISO 21809-3
Peel strength to plant coating at + 23°C at T _{max}	N/mm	≥ 0.5 ≥ 0.3	EN 12068 ISO 21809-3
Peel strength to plant coating after 28-day hot-water immersion test at T _{max} at + 23°C	N/mm	≥ 0.4	ISO 21809-3
Peel strength to steel surface after 28-day hot-water immersion test at T _{max} at + 23°C	N/mm	≥ 0.4	ISO 21809-3
Lap shear strength at + 23°C at T _{max}	N/mm ²	≥ 0.05 ≥ 0.05	EN 12068 ISO 21809-3

■ 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®2426** 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 >24 months from the date of manufacture.

Storage temperature: min -10°C (+14°F), max +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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