



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.



COMPOSITION

Co-extruded 2-ply PE tape.
 Carrier film - stabilized polyethylene.
 Adhesive - butyl rubber synthetic elastomer resin.
 Interleaf – anti adhesive siliconized film.
 Color – black.

SPECIAL ADVANTAGES

A 100% co-extruded 2-ply tape.
 Practically impermeable to water vapor and oxygen.
 Resistance to soil bacteria and soil electrolyte.
 Excellent bonding between adhesive and carrier film via co-extruded intermediate layer.
 Compatible with factory coatings of PE, PP, FBE, PU, CTE and bitumen.
 Complies with EN 12068 international standard.

CO-EXTRUSION

The coextrusion intermediate layer ensures good adhesion between the carrier film and the adhesive layer, thus avoiding delamination during operation. In addition, thanks to the real coextrusion intermediate layer (a blend of PE & butyl rubber), the cross section of the tape is characterized by a homogeneous transition from butyl rubber to PE and again to butyl rubber.

CHEMICAL RESISTANCE

Tape is resistant to corrosive salted water, soil acids, alkalis, salts, chemical vapors and conventional chemicals.

FLEXIBILITY & ADHESION

Easy to apply at high and low temperatures it provides excellent adhesion and shear resistance.

AREA OF APPLICATION



Join Wrap DK-BUT®1000-HB is a proven solution to prevent corrosion of pipelines, T-fittings, fittings, flanges, elbows, etc. It is used when performing works on insulation and re-insulation of oil pipelines, water pipelines and gas pipelines.
Join Wrap DK-BUT®1000-HB is also an ideal choice for both small and large pipe sizes.
Join Wrap DK-BUT®1000-HB is used in the anti-corrosion system **System DK-BUT®2430-HB**.

RELATED PRODUCTS

DK-WORKER® is manual devices for winding cold-applied tapes on pipes, pipe elbows and welded joints.
DK-WORKER® ensures uniform tension and compliance with the required overlap width when applying **DK-BUT®** & **DK-BIT®** tapes.

■ PRODUCT PROPERTIES

Properties	Unit	Join Wrap DK-BUT®1000-HB	Test method
Color	---	Black	Visual
Total thickness	mm	1.0	ASTM D1000
Width	mm	50-150	ASTM D1000
Tensile strength	N/mm	4.5	ASTM D1000
Elongation at break	%	250	ASTM D1000
Dielectric strength	KV/mm	30	ASTM D149
Insulation resistance	$\Omega \cdot m^2$	10^8	EN 12068 Annex J
Water absorption	%	0.1	ASTM D 570
Peel strength at +23°C - to primed steel	N/mm	3.0	ASTM D1000
- to self	N/mm	2.5	ASTM D1000

Other sizes and tolerances available on request

■ APPLICATION TERMS

Properties	Unit	Join Wrap DK-BUT®1000-HB	Test method
Surface condition of steel pipes: -cleaning level -degree of roughness	--- μm	min. St 2 50 - 100	ISO 8501-1 ISO 8503-1
Pipe surface temperature	°C (F°)	$\geq +3$ (+5.4) above dew point	---
Temperature range: -application -operating	°C (F°)	from +5 to +50 (from +41 to +122) from -20 to +60 (from -4 to +140)	Manufacturer's recommendation

■ TYPE OF PACKAGING



Bushing diameter mm	Roll width mm	Roll length m	Number of rolls in a box
41	50	30	12
	100		6
	150		6
75	100	70	3
	150		2

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 precipitation. When storing **Join Wrap DK-BUT®1000-HB** and transporting to the work site, store and transport in a vertical position, no more than six rows - boxes with tape. 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: $\leq +50^{\circ}C$ (+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-k-corporation.com, shall be decisive.

The legal relationship shall be governed by Polish law.



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