



Join Wrap DK-BUT® 1600-PW

Co-extruded, 2-ply, polyethylene tape, consisting of a stabilized polyethylene carrier film and an adhesive layer of butyl rubber on one side.



COMPOSITION

Co-extrusion, 2-ply polyethylene tape.
 The carrier film is 100% stabilized polyethylene.
 The adhesive is ≥50% butyl synthetic elastomeric resin.
 The gasket is an anti-adhesive silicone film.
 Black color.

SPECIAL ADVANTAGES

A 100% co-extruded 2-ply tape.
 Impervious to water vapor and oxygen.
 Resistant to soil bacteria and soil electrolyte.
 Excellent adhesion between the adhesive layer and the carrier film through a co-extruded intermediate layer.
 Compatible with factory coatings PE, PP, FBE, PU, CTE and bitumen.

Complies with 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®1600-PW is a proven solution for permanently preventing corrosion of pipes and welds in areas with increased risk of corrosion in new installations or refurbishment projects. It is used when carrying out works on isolation and re-isolation of water pipelines, oil pipelines and gas pipelines. **Join Wrap DK-BUT®1600-PW** is also the ideal choice for both small and large pipe sizes. **Join Wrap DK-BUT®1600-PW** is used in the **system DK-BUT®1232-PW** anti-corrosion system.

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®1600-PW
Color	---	Black
Tape appearance	---	Carrier film without cracks, creases, tears, punctures, foreign inclusions. Adhesive is applied evenly, without passes. The height of the corrugation of the adhesive layer should not exceed 0.3 mm.
Total thickness (without release layer)	mm	≥1.6
Thickness of carrier film (without adhesive)	mm	≥0.6
Adhesive layer thickness	mm	≥1.0
Interleaf:		
-presence	---	presence
-thickness	mm	≥0.01
-width	---	width siliconized film=width roll
-manufacturer logo	---	presence
Width	mm	50±2, 150±2, 225±2, 450±2
Tensile strength	N/cm	≥ 100
Elongation at break	%	≥ 600
Tensile Strength	N/mm	≥ 10
Brittleness temperature of the adhesive layer	°C	minus 25
Water absorption in 24 hours	%	≤0.1
Mushroom resistance	points	≤2
Peel strength to primed steel at +20°C	N/mm	3.5
Peel strength between tape layers at +20°C	N/mm	1.5

Other sizes and tolerances available on request

■ APPLICATION TERMS

Properties	Unit	Join Wrap DK-BUT®1600-PW	Test method
Surface condition of steel pipes: -cleaning level -degree of roughness	---	min. St 2 50 - 100	ISO 8501-1 ISO 8503-1
Pipe surface temperature	°C (F°)	≥ +3°C (+5.4°F) above dew point	---
Temperature range: -application -operating	°C (F°)	+5 to +50 (+41 to +122) -20 to +60 (- 4 to +140)	Manufacturer's recommendation

■ TYPE OF PACKAGING



Label information	Material & Ø bushings mm	Outer Ø of roll mm	Weight roll kg	Appearance roll
	75±5 cardboard / polymer	≤280	5-30	Rolls of cylindrical shape with even ends. Taper telescopicity of rolls is not allowed. Roll consist of one piece of tape.

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®1600-PW** 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: ≤ +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-k-corporation.com, shall be decisive.

The legal relationship shall be governed by Polish law.