

■ **3-ply Wrap DK-BUT®800**

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



■ **COMPOSITION**

100% co-extruded 3-ply asymmetrical PE tape.
 Carrier film - stabilized polyethylene.
 Inner & Outer adhesive layer - butyl rubber synthetic elastomer resin.
 Interleaf – anti adhesive siliconized film.
 Color – black.

■ **SPECIAL ADVANTAGES**

A 100% co-extruded, asymmetric 3-ply tape.
 Self-amalgamation of tapes in the area of overlap allow a completely impermeable sleeve-like coating.
 Virtually impervious to water vapor and oxygen.
 Resistant to soil bacteria and soil electrolyte.
 High electrical insulating properties.
 Compatible with factory coatings PE, PP, FBE, PU, CTE and bitumen.
 Complies with international standard EN 12068.

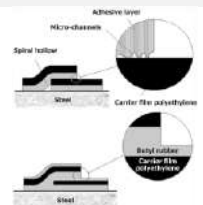
■ **CO-EXTRUSION**

The co-extrusion intermediate layer ensures good adhesion between the carrier film and the adhesive layer, thus avoiding delamination during operation. In addition, thanks to the real co-extrusion intermediate layer (mixture of PE and butyl rubber), the cross section of the tape is characterized by a uniform transition from butyl rubber to PE and back to butyl rubber. It should be noted that the outer adhesive layer in asymmetric **3-ply DK-BUT®** tapes is also co-extruded, which ensures a perfect bond between the outer adhesive layer and the carrier film.

■ **LONG TERM CORROSION PROTECTION**

If only double layer tape is used for the inner winding, the interface and the potential water / oxygen penetration path remain in the tape overlap. After several years of operation in incompletely sealed ceilings, spiral corrosion inevitably occurs, followed by corrosive undermining.

The high-tech, asymmetric **DK-BUT® 3-ply** tape leaves no opportunities for corrosion. A distinctive feature of butyl rubber is its ability to self-amalgamate in overlapping areas, resulting in a completely sealed, impermeable coating with a hose tape.



■ **AREA OF APPLICATION**



3-ply Wrap DK-BUT®800 are proven solution for permanent corrosion prevention on pipes and weld seams in areas with increased occurrence risk of corrosion. Used for the insulation and re-insulation of oil, water and gas pipelines.
3-ply Wrap DK-BUT®800 is also an ideal choice for pipes both with small and with large nominal sizes.
3-ply Wrap DK-BUT®800 used in corrosion protection systems **System DK-BUT®2426**, **System DK-BUT®2428**.

■ **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 | 3-ply Wrap DK-BUT®800 | Test method |
|---|-------------------|---|------------------------|
| Thickness total | mm | 0.8±0.05 | ASTM D1000 |
| Elongation at break | % | 600 | EN 12068 Annex A |
| Thermal ageing resistance ratio | ---- | $1.25 \geq S_{100}/S_0 \geq 0.75$, $S_{100}/S_{70} \geq 0.8$ $1.25 \geq E_{100}/E_{70} \geq 0.75$, $E_{100}/E_{70} \geq 0.8$ $P_{100}/P_T \geq 0.75$, $P_{100}/P_{70} \geq 0.8$ $A_{100}/A_T \geq 0.75$, $A_{100}/A_{70} \geq 0.8$ | EN 12068 Annex E |
| -tape strength | | | |
| -elongation at break | | | |
| -peel strength layer to layer | | | |
| -peel strength to pipe surface | | | |
| Lap shear strength at +50°C | N/mm ² | 0.05 | EN 12068 Annex D |
| Impact resistance system | J | 15 | EN 12068 Annex H |
| Dielectric strength | KV/mm | 30 | ASTM D149 |
| Specific electrical insulation resistance | Ω.m ² | 10 ⁸ | EN 12068 Annex J |
| Water absorption | % wt. | 0.1 | ASTM D 570 |
| Peel strength at +23°C | N/mm | 1.2 | EN 12068 Annex B, C |
| - to primed steel | N/mm | 2.4 | |
| - to self | | | |
| Peel strength at +50°C | N/mm | 0.15 | EN 12068 Annex B, C |
| - to primed steel | N/mm | 0.3 | |
| - to self | | | |

Other sizes and tolerances available on request

■ APPLICATION TERMS

| Properties | Unit | 3-ply Wrap DK-BUT®800 | Test method |
|-----------------------------------|---------|--|----------------------------------|
| Surface condition of steel pipes: | --- | min. St 2 | ISO 8501-1 |
| -cleaning level | | | |
| -degree of roughness | μm | 50 - 100 | ISO 8503-1 |
| Pipe surface temperature | °C (F°) | ≥ +3 (+5.4) above dew point | --- |
| Temperature range: | °C (F°) | from +5 to +50 (from +41 to +122) from -20 to +60 (from -4 to +140) | Manufacturer's recommendation |
| -application | | | |
| -operating | | | |

■ TYPE OF PACKAGING



| Bushing diameter mm | Roll width mm | Roll length m | Number of rolls in a box |
|------------------------|------------------|------------------|-----------------------------|
| 41 | 30 | 15 | 18 |
| | 50 | | 12 |
| | 100 | | 6 |
| | 150 | | 6 |

Other lengths and widths available on request

■ PACKAGING, STORAGE AND TRANSPORTATION

Packaging: carton box, packing is not returned after use.

Storage: in a horizontal position, in warehouses, open areas under a canopy, protected from sunlight and precipitation. During storage and transport to the work site **3-ply Wrap DK-BUT®800** should be stored and transported 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-korporation.com, shall be decisive.

The legal relationship shall be governed by Polish law.



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