



■ **System DK-BIT® 1232**

One tape system for corrosion protection of metal pipes and main pipelines.



■ **SYSTEM COMPOSITION**

**Bitumen Primer DK-BIT®** - the primer is a homogeneous black liquid composition consisting of bitumen-polymer resin, elastomers, corrosion inhibitors, stabilizers mixed with the appropriate type of solvent.



**Join Wrap DK-BIT® 1600** - 2-layer PVC tape with a layer of bitumen-polymer mastic on one side

■ **SPECIAL ADVANTAGES**

Maximum corrosion protection combined with outstanding tape flexibility.  
 The service life as part of the protective coating of the structure in clause 15 of Table 4, DSTU 4219-2003 is at least 30 years.  
 Compatible with factory coated PE PP FBE PU CTE and bitumen.  
 Complies with standard DSTU 4219-2003.

■ **AREA OF APPLICATION**



**System DK-BIT® 1232** is a cold applied tape system for preventing pipe corrosion in new installations or refurbishment projects.  
**System DK-BIT® 1232** - used for corrosion protection of main water pipelines, oil pipelines, gas pipelines  $\varnothing \leq 1220$  according to the design of clause 15, table 4, DSTU 4219-2003.  
**System DK-BIT® 1232** - 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-BIT® 1232** 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	Bitumen Primer DK-BIT®
Color		black
Solid content	%	≥ 20
Viscosity at +25°C	s	25 ± 5
Consumption	l/m <sup>2</sup>	0.2

Properties	Unit	Join Wrap DK-BIT®1600
Color	---	black
Total thickness	mm	1.6
Breaking strength	N/cm	100
Elongation at break	%	200
Water absorption	%	0.1

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-BIT®1232 = Bitumen Primer DK-BIT® + 1 ply of Join Wrap DK-BIT®1600 with 50% overlap

Properties	Unit	System DK-BIT®1232
Total system thickness	mm	≥ 3.2
Impact strength + 20°C (+68°F)	J	15
Penetration resistance in the temperature range from + 20°C to T <sub>max</sub> and load 10N/mm <sup>2</sup> , not less	%	≥60
Dielectric integrity. No breakdown by electric current at a voltage of 5 kV / mm thickness	---	absent
Transient electrical resistivity of the coating in a 3% NaCl solution at a temperature of + 20°C - initial - after 100 days of exposure	Ohm × m <sup>2</sup>	≥10 <sup>9</sup> ≥10 <sup>7</sup>
Radius of coating delamination at cathodic polarization at: - temperature + 20°C -temperature T <sub>max</sub>	mm	≤11 ≤20
Adhesion of the tape to a primed steel surface at: - temperature + 20°C -temperature T <sub>max</sub>	N/mm	≥3,5 ≥0,7
Tape-to-tape adhesion in overlap at: - temperature + 20°C -temperature T <sub>max</sub>	N/mm	≥1,5 ≥0,5
Resistance to heat aging. The change in the values of the indicators of the exposed coating is relatively unexposed after exposure to air for 1000 h at a temperature of T <sub>max</sub> + 20°C: - impact strength -adhesive tape to steel	%	≤25 ≤25
Maximum operating temperature	class	50

## ■ PACKAGING, STORAGE AND TRANSPORTATION

**Packaging** : polymer / 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-BIT®1232** 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 24 months from the date of manufacture.

Storage temperature: ≤ +40°C (+104°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](http://www.dkd-korporation.com), shall be decisive.

The legal relationship shall be governed by Polish law.



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