



■ **Bitumen Mastic DK-BIT®90**

Bitumen-polymer mastic for corrosion protection of pipelines.



■ **COMPOSITION**

Bituminous-polymer mastic.  
 Components - polymers, plasticizers, elastomers, resins.  
 Color - black.

■ **SPECIAL ADVANTAGES**

At the heating step, the introduction of a plasticizer doesn't require.  
 Outstanding plasticity.  
 High electrical insulation.  
 The mastic primer is prepared on the road by mixing molten bitumen-polymer mastic and gasoline.  
 Compatible with factory coatings PE and bitumen.

■ **COMPOUND**

Bitumen-polymer mastic is a multicomponent composition, which includes bitumen, polymers, plasticizers, elastomers and fillers.

■ **AREA OF APPLICATION**



**Bitumen Mastic DK-BIT®90** is a proven solution for permanent corrosion protection on pipes and welds in areas with increased risk of corrosion. It is used when carrying out works on insulation and re-insulation of oil pipelines, water pipelines and gas pipelines.  
**Bitumen Mastic DK-BIT®90** is used in various anti-corrosion systems.

■ **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	Bitumen Mastic DK-BIT®90
Colour	---	black
Appearance	---	Homogeneous mass of black no visible foreign matter
Softening point (by the method of ring and ball) KISH	° C (F °)	90 - 95 (195-203)
Penetration (depth of penetration of the needle) at + 25 ° C, not less than 0.1 mm	units	18
Plasticity (extensibility) at + 25 ° C, not less	cm	6
Shear adhesion of bitumen-polymer mastic to primed steel	N / mm2	0.25
at + 20 ° C, not less	N / mm	1.5
Adhesion of polymer tape to bitumen polymer mastic as part of a protective coating at + 20 ° C, not less	J	15
(in accordance with the design of clause 14 of Table 4, DSTU 4219-2003)	---	Withstands
Impact strength at + 20 ° C as part of a protective coating in accordance with the design of clause 14 of Table 4, DSTU 4219-2003), not less	Ohm x m2	108
Dielectric continuity at a voltage of 5 kV / mm of protective coating thickness (in accordance with the design of clause 14 of Table 4, GOST 4219-2003)	%	0.2
Transient electrical resistance of the protective coating	° C (F °)	+40 (+104)

*Other sizes and tolerances available on request*

## ■ APPLICATION TERMS

Properties	Unit	Bitumen Mastic DK-BIT®90	Test method
Surface condition of steel pipes: -cleaning level -degree of roughness	---	min. St 2 50 - 100 µm	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	Gross weight (kg)
	10 - 25

*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 atmospheric precipitation. When storing **Bitumen Mastic DK-BIT®90** and transporting it to the work site, store and transport in an upright position, no more than six rows of boxes with mastic. 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.