

byk®



BYK PU WT 9101-2K

Polyurethane Based Waterproofing Material For Water Tanks

BYK PU WT 9101-2K two component, solvent free polyurethane based liquid membrane which is designed for drinking water tanks.

PLACES OF USAGE

- Drinking and potable water tanks
- Concrete water tanks
- Steel and other water tanks
- Substrates which has direct contact to the drinking water

ADVANTAGES

- Solvent free
- Excellent adhesion
- Useful for closed areas.
- Resistant to chemicals.
- Thixotropic grade.

TECHNICAL SPECIFICATIONS

Color	Blue	-
Density	1,40±0,05 g/cm ³	ASTM D1475 / DIN 53217 / EN ISO 2811-1 (20oC)
Viscosity	5.000-10.000 cP	ASTM D 2196-86 / EN ISO 3219 (+25 oC)
Mixing Ratio (A+B)	20/4	-
Gloss	Semi Mat	-
Service Temperature	+5 oC -+35 oC	-
Solid Content	%100	-
Hardness	40 (Shore D)	ASTM D2240, DIN 53505, EN ISO R 868
Elongation	> %100	ASTM D412 (+23 oC)
Pot Life	20-30 dk.	-
Elongation At Break	>3 N/mm ²	ASTM D412 (+23 oC)
Water Absorption	<0,5 %	DIN 53495
Adhesion to Concrete	> 2 N/mm ²	TS EN 1542 (+23 oC)
Tack Free Time	3-4 hours	25 oC / %55 RH
Recoating Time	6-24 hours	-

NOTE: Viscosity measured at + 25°C according to EN ISO 3219 standards. Viscosity increases inversely with temperature.

Surface Preparation

The surface should be cleaned, preferably using a high-pressure washer. Oil, grease, fuel, and paraffin residues must be removed. The surface must also be completely free of release agents, cement residues, shavings, loose particles, and cured membranes.

Primer

For porous substrates: **BYK PU PRIMER 9001-1K, BYK EP PRIMER WB 9005-2K ve BYK PU PRIMER 9001-2K**

Metal or non porous surfaces: **BYK EP PRIMER 9002-2K**

Mixing

Components A and B are mixed using a low-speed mixer for a minimum of 2–3 minutes until ready for use. The pot life of the prepared mixture is 20–30 minutes at +20°C. Depending on changes in ambient temperature, the pot life may be shorter or longer. After application, all tools and equipment must be cleaned with BYK TN 100. Rollers are disposable and must not be reused.



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Application

The material should be poured onto the previously primed surface and applied with a roller or brush until the entire surface is fully covered. It should be applied in a minimum of two coats. For vertical applications, a minimum of two coats is also required. The second coat should be applied minimum 8 hours and maximum 24 hours after the first coat.

Packaging

20 kg + 4 kg metal buckets

Consumption

Minimum total consumption: 1,30 – 1,50 kg/m²



Shelf Life

It can be stored in its original unopened buckets in dry conditions at temperatures between 5°C and 25°C for a minimum of 12 months. Containers of unmixed components must be kept hermetically sealed until the next use.

Safety Precautions

Flammable and combustible products should be kept away during application. No smoking. Take care to ensure continuous ventilation of the application area. Protective equipment such as goggles and gloves should be used during application. In case of eye contact, rinse thoroughly with plenty of water. Ask for Material Safety Data Sheet for detailed information. Keep out of the reach of children. The product must be used by professional users, taking into account the data in the technical information section.

Responsibility

The data contained in this white paper is based on our scientific and practical knowledge. **DEMIRKOL TAAHHUT INSAAT SANAYI VE DIS TICARET LTD. STI.** is only responsible for the quality of the product. **DEMIRKOL TAAHHUT INSAAT SANAYI VE DIS TICARET LTD. STI.** cannot be held responsible for the consequences of using the product outside the written recommendations on how and where to use the product and/or misuse. The user is responsible for the correct application of our product. Our company is only responsible for the quality of the product. This catalog supersedes the information contained in the previous catalog. Our company reserves the right to make changes in all kinds of information and content details in this catalog. It is essential to check that the information in the catalog is up-to-date and valid. All rights reserved.