



BYK PU PRIMER 9001-1K

Polyurethane Based Single Component Primer

BYK PU PRIMER 9001 – 1K is a single-component, low viscosity, polyurethane based primer. It was designed in conformity with different types of sub layers or sub layers at different locations. The prominent feature of the product is that it has very low viscosity and it stabilizes the curing speed. Thanks to this, it perfectly coats and impregnates almost all types of surfaces, porous (regardless of pore condition) or non-porous (glass, metal, etc.), holistically and homogeneously. Even if the main layer is coated late, it is not a problem. It can be applied on dry and slightly damp concrete as a low-cost effective waterproofing material that increases the durability of the substratum.

PLACES OF USAGE

- Concrete structures,
- Ceramic tiles
- Non-porous substrates such as glass, marble and metal.
- It can also be used as a concrete waterproofing material.

ADVANTAGES

- It has single component,
- It has low viscosity,
- It can be easily applied to all types of surfaces, including wet/damp concrete,
- It perfectly coats and impregnates the surface holistically and homogeneously. Even if the main layer is coated late, it is not a problem.
- It is elastic.
- It offers a cost-effective solution for concrete impermeability and protection.

TECHNICAL FEATURES

Specifications	Values	Standards
Color	Transparent yellow	-
Density	0,95±0,05 g/cm ³	ASTM D1475 / DIN 53217 / ISO 2811
Hardness	75-80 Shore A	ASTM D2240 / DIN 53505 / ISO R868
Viscosity	40-50 cP	ASTM D 2196-86 / EN ISO 3219 (+25°C)
Concrete Adherance	>3 (N/mm ²)	ASTM D4541
Waiting Time Between the Coatings	4-5 hours	-
Adding New Layer	6-24 hours	-
Re-adding New Layer	12-24 hours	-
Full Drying	1 day	-

APPLICATION PROCEDURE

Sand-treated **BYK PU PRIMER 9001 - 1K** is recommended for surface defects. Apply with a brush or roller. Once cured, you can proceed with the application of the main membrane. The used sets and tools must be cleaned with **BYK PU TH 901** as soon as possible. The rolls are for single use only. They are not suitable for reuse.

NOTE: The technical specifications written above were written according to the test results performed under 23°C and 50% relative humidity conditions. The values may vary under different temperature and humidity conditions.



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Surface Preparations

If possible, the surface should be cleaned using a high-pressure washer; oil, grease, fuel and paraffin residues should be removed, it should also be completely free of mold release agents, cement residues, chips, loose particles and cured membranes.

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Consumption

According to the pore state of the substrate, it is applied by brush or roller with a consumption of 200-300gr/m².

Package

In 1 Lt, 4 Lt, 20 Lt. special metal packages



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.

Storage

Store in unopened original packaging in a cool and dry place protected from frost. For short-term storage, a maximum of 2 pallets should be placed on top of each other and should be shipped with first in first out. For long-term storage, pallets should not be stacked on top of each other.

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.

Disclaimer

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.



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2404-CPR-bk1047 DOP NO: BYK PU PRIMER 9001 – 1K EN 1504-2:2004 BYK PU PRIMER 9001 – 1K	

Surface protection products, Coating Application (C)/2.2 Surface protection systems Principle 2(MC) 2.2 Coatings)	
Water vapor permeability (Water-vapour transmission properties)	Class I
Capillary water absorption and Water permeability	0,004 kg/m ² .h ^{0.5}
Bond strength by pull-off	3,5 MPa
Reaction to fire	E
Hazardous Substances (chemicals dangerous to the environment and health)	Complies with 5.4