

BET10® PU 2K

Polyurethane Based Moist Surface Primer Product Technical Data Sheet



GENERAL FEATURES

DESCRIPTION

BET10® PU 2K is a two-component, polyurethane-based primer material developed for dry and moist surfaces.

FIELDS OF APPLICATION

- It is used as a primer in polyurethane and epoxy floor coating systems,
- Polyurea and polyurethane etc. in insulation systems,
- metal etc. surfaces.

ADVANTAGES

- It has low viscosity.
- It is red in color
- Can be applied to damp surfaces.
- Provides adherence to non-absorbent surfaces.
- It can be applied to mineral and cement based surfaces.

SURFACE PREPARATION

Mechanical surface preparation (blastrack, rotatiger, etc.) should be done. The resulting dust layer must be swept with industrial brooms, and the application surface must be solid, dry and clean. All kinds of dust, oil, paraffin, bitumen and particles that will reduce adherence should be removed from the surface and all mortar, plaster, etc. should be removed. Loose parts must be cleaned from the surface. Concrete quality must be at least C20/25, 28 days old. The tensile strength of the reinforced concrete surface should be 1.5 N/mm², the humidity rate should be 4%, and the ground surface temperature should be +8 °C. Success in application depends on the correct preparation of the ground and the correct use of the material. Erosion and roughening is carried out by the method chosen according to the condition of the surface. The surface is completely cleaned of dust with an industrial vacuum cleaner and is made ready for application.

MIXING

BET10® PU 2K is two-component and is supplied as a set according to the mixing ratio. In order to obtain a homogeneous mixture, the product temperature should be between +15°C - +25°C. It should be prepared according to the mixing ratio (must be done with a precision scale) in the amount to be consumed, taking into account the pot life of the two components. Component A (resin) should be mixed by itself with a low speed mixer, then component B (hardener) should be added, paying attention to the mixing ratio. At least 3 minutes until components A and B become homogeneous. It should be mixed with a low speed mixer.

APPLICATION PROCESS

Packages that have been kept at room temperature (+15°C - +25°C) for 24 hours should be opened and mixed until a homogeneous consistency is reached. Mixing must be done by selecting a low speed mixer and a suitable tip. BET10® PU 2K is applied homogeneously to the surface with a fine-notched trowel, short-haired roller or brush, controlling material consumption. The material must be protected against water, rain, external factors and mechanical stress until it sets. It should be taken into consideration that the waiting time may be shorter in hot weather and longer in cold weather.

CLEANING OF TOOLS

The tools used can be cleaned with solvent, or if the material is dried, it can be cleaned mechanically.

CONSUMPTION

Depending on the surface condition; pore structure of the floor, absorbency etc. Situations may increase consumption. It is recommended to conduct a trial on the application surface to control consumption. Theoretical consumption as primer: 0.300 kg/m² – 0.600 kg/m².

STORAGE

It should be protected from adverse weather conditions. It should be stored in a dry and cool, closed environment (+10°C and +25°C). The opened and mixed product should be consumed immediately. It has a shelf life of 12 months in its unopened package, in dry places at a minimum temperature of +5 °C.

HEALTH AND SAFETY PRECAUTIONS

For applications in closed areas, the environment should be well ventilated. In cold weather, packages should be kept at least 24 hours and min. before application. It should be stored at +15°C. After application, the surface should be protected against climatic effects such as water, rain, dew, snow, hail, frost and the like until the surface is completely dry. Do not approach with open flame and do not smoke during application. Use gloves, glasses and protective clothing. In case of contact with skin, wash with soap and plenty of water. Do not swallow, do not use empty packages to store food, and do not throw them into fire. For professional use only, keep out of reach of children.

PACKAGING

PU 2K 15kg A Component
PU 2K 5kg B Component

DISCLAIMER

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BET10® Roof 2 TC
Technical Data Sheet
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CONTACT

APPLICATION

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TECHNICAL DATA

Properties	BET10® PU 2K
Color	Red
Intensity	1,18 g/cm ³
Surface Temperature to be Applied	(+5°C) – (+35°C)
Thinning	Not Recommended
Break Expansion Percentage (23°C)	≥4 N/mm ²
Hardness	70
Drying Time	23°C, %55 RH Complete Drying : 4 gün Touch Hardness : 6 - 8 saat Recoating : 8 - 24 saat