

SUTOP PU-1B

Polyurethane Based, UV Rays Resistant, Single Component Elastic Waterproofing Material

AREA OF USE

It's used outdoors, in vertical and horizontal applications,
In prefabricated concrete stream insulation,
On terrace, balcony, wet volume and garden terraces,
On foundation insulation from the side where water flows,
In reinforced concrete structures thought to be deflected,
On all kinds of roof and light roofs,
On garages,
On steel and sandwich panel structures.

PROPERTIES

One component.
It provides high adherence.
It can keep its elasticity even in low temperatures.
It has excellent mechanical properties.
It forms a coating that is jointless, seamless, waterproofing.
It's resistant to chemicals in the soil, bacteria attacks, alkalis and salt solutions.
It forms a seamless, monolith membrane.
It's resistant to frost and dissolution cycles.

APPLICATION

SURFACE PREPARATION

Surface to be applied must be solid, and must be free for all kinds of oil, grease, rust, paint, bitumen residues that can prevent adhesion to surface, and all loose parts must be cleaned. Iron and wooden wedges must be removed from surface, if any, water leaks must be repaired by "WATERFIX®" and occurred gaps, uneven surfaces and corner edges must be repaired by DOLTEK® repair mortar so that it has at least 4 cm diameter. If "SUTOP PU-1B" will be applied on concrete surface, before application, it must be primed with "EPOFLOOR PRIMEL", if it will be applied on non-absorbent bright surfaces such as ceramic, granite, marble, metal, etc., it must be primed by SUTOP PRIMEL SILANE. On damp surfaces, primer forming moisture barrier must be used. Concrete must complete its cure of 28 days.

MORTAR PREPARATION AND APPLICATION

"SUTOP PU-1B" is made ready for application by stirring for 1-2 minutes with a 300-400 rpm mixer. "SUTOP PU-1B" mixture is applied as two or three layers after one day primed in advance with primer appropriate to surface type. If necessary, it can be applied with sprayer. Waiting time between layers varies according to ambient conditions. In general, application on second layer time is 12 hours.

CONSUMPTION

0,650 kg/m² in a single layer.(Two or three layer application is recommended).

TECHNICAL DATA

Structure of Material	Polyurethane Pre-Polymer
Colour	Gray-White
Density	1,30 kg/lt
Adhesion Strength	≥ 3,0 N/mm ²
Elongation at Break	% 400
Operation Time	30-60 minutes
Tensile Strength	≥ 2,0 N/mm ²
Ground Temperature to be Applied	+10 °C +35 °C
Service Temperature	-30 °C +70 °C
Full Drying and Chemical Resistance	7 days
Walk-on Time	7 days

NOTE: Given technical values are given for ambients having +23 °C temperature and 50% relative humidity conditions. High temperatures shortens the time, lower temperatures require longer time.

PACKAGING AND STORAGE

- It's offered in 25 kg circle lid tin packagins.
- Can be shipped on pallets upon request.
- Under proper storage conditions, its shelf life is 9 months from date of production.
- It should be stored in unopened original packaging, in cool and dry ambient, without exposed frost.
- Unopened packagings should be tightly sealed, stored in appropriate storage conditions and should be consumed within 1 week.
- For short term storage, the shipment must be done first in first out method. In long-term storage, pallets should bot be placed on to.

ISSUES SHOULD BE CONSIDERED

Operation and reaction times of resin based systems are affected from ambient and ground temperatures and relative humidity in air. Chemical reaction is slow down at low temperatures, this also extends pot life, coating time and operation time. In the same time, consumption is increased due to viscosity increases. High temperatures increase chemical reactions and so, above mentioned times are shortened. Ambient and ground temperatures should not be decreased below allowed minimum temperature in order to whole material completes its cure. After coating is done, coating must be protected from direct water contact at least for 24 hours. If water contacts, this harms coating by creating softening and carbonation on the coating. In such case whole coating must be removed from ground and renewed.

WARNINGS

- Application is recommended to be made at +10 ° C to +30 ° C.
- During application, work clothings, gloves and glasses appropriate for occupational health and safety rules.
- Do not inhale directly..
- Components must be not contacted with eye and skin due to irritant effects of uncured materials, if contacted, should be washed with plenty of water and soap.
- If swallowed, consult a doctor immediately.
- Food and drink should not be brought to the application areas.
- Store out of the reach of children.
- Do not exceed the specified instructions and application surface.
- Ask for product safety data sheet for more information.
- Please consult us for your technical questions related to all other application conditions.

CERTIFICATE OF CONFORMITY



The above data were obtained in the laboratory. For more information, please consult our Technical Department.
Entegre reserves the right to change the above information.
Entegre is not responsible for any failure due to misapplication