



Ultraseal PU

One part Polyurethane Waterproofing Membrane

DESCRIPTION

Ultra seal PU is a one component, moisture curing polyurethane membrane. After curing, it provides a tough highly elastomeric, impervious barrier to moisture and suitable for application by brush, roller or spray applied on concrete

RECOMMENDED USES

- Waterproofing of masonry walls, foundations and basements.
 - Waterproofing under to terrazzo paving and quarry tiles
- Waterproofing of rooftop slabs, podium slabs, balconies and courtyard
- Planter boxes and tubs.

FEATURES & BENEFITS

- Free of pitch or bitumen
- No mixing
- Early access for following trades
- Brush, roller or trowel applied
- Does not brittle with age
- Exhibits tenacious adhesion to masonry
- Non re-emulsifying
- High elasticity

TYPICAL PROPERTIES

Color	Grey, Red and Black (Other Colors MTO)
Cure System	Moisture cure Polyurethane
Tack free time	6 hours
Recoat time	6 to 24 hours
Specific gravity	1.00 -1.05
Bond Strength	Min 0.5 Mpa
Tensile Strength	Min 1.5 Mpa
Elongation	Min 500%
Full cure	7 days

APPLICATION

• **Surface preparation**



All substrates shall be sound and free from dust, excess mortar, oil or other loose particles. Cracks or honeycombs shall be repaired using suitable cement mortar.

Priming

PU Primer is recommended to ensure sealing of the substrate to eliminate possible pin hole and improve the bonding of Ultra seal PU on the substrate

Application of Membrane

A minimum cured dry film thickness of 1mm must be maintained to achieve a waterproof membrane

Use soft bristle brush or short roller and work in two perpendicular coats observing a 6 to 24 hours waiting interval between two coats at 25 deg.C

Allow full curing for 7 days at 25 deg.C

PACKAGING

Ultra seal PU is packed in 5 and 20 kg

COVERAGE

Ultraseal PU

1 kg will cover one square meter at 1mm thickness in two coats

PU Primer

1 kg will cover 5 square meters

STORAGE

Ultra seal PU has a shelf life of at least 12 months. Store all materials in a cool, dry place, in an elevated condition and away from direct sun light where temperature are maintained below 30 deg.C

PRECAUTIONS

- Membrane must not be installed on wet, contaminated, or friable substrates.
- Rate of membrane cure will be inhibited when air or substrate temperatures are below 5 C.
- Should not be applied greater than 1.5mm in depth in one application as the likelihood of foaming may occur.
- Requires atmospheric moisture to fully cure. It should not be used in totally confined or air free spaces.



- Tiling screeds, toppings or soil filling should not be carried out until membrane is fully cured.

HEALTH & SAFETY

Ultraseal PU contains isocyanate which may cause sensitization by skin contact. Avoid contact with skin and eyes and inhalation of vapor. In case of contact, wash liberally with water and seek medical advice, if required. Wear suitable protective clothing, gloves and goggles while handling.

For more information refer to Material Safety Data Sheet

WARRANTY

Whilst Bostik India P Ltd., strives to ensure that any advice, information or recommendation given are appropriate and correct, it cannot accept any liability directly or indirectly arising out of the products, since the method and place of application of the products are beyond its control. Its guarantee is therefore limited to the quality of materials delivered.

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