

LOTUS B2 BASE COAT



PRODUCT DESCRIPTION

Lotus B2 Base Coat is a premium, liquid-applied, highly permanent elastic, cold applied and, one component polyurethane membrane used for long-lasting waterproofing.

Lotus B2 Base Coat is based on pure elastomeric hydrophobic polyurethane resins, which result in excellent mechanical, chemical, thermal, UV and natural element resistance properties. Cures by reaction with ground and air moisture.

TECHNICAL DATA

PROPERTY	SPECIFICATION	UNIT	STD. METHOD
Viscosity	1500-3500	cP	ASTM D2196-86, TS 5833 EN ISO 3219
Density	1.43-1.45	g / cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C
Hardness	55-65	Shore A	ASTM D2240 / DIN 53505 / ISO 868
%Elongation	>500	%	ASTM D412 / EN-ISO-527-3
Stress at 100% elongation	0.80-1.20	MPa	ASTM D412
Final Curing time	7 days	days	Conditions: 20 °C 50% RH
Light Pedestrian Traffic Time	18-24 hours	hours	
Rain Stability Time	3-4 hours	hours	

ADVANTAGES

- Simple Application (*Roller, Squeegee or Spray machine*)
- When applied forms seamless membrane without joints.
- Resistant to water.
- Resistant to frost.
- Resistant to root penetration, so it can be used in green roofs.
- Crack-bridging up to 2 mm, even at -10 °C.
- Provides water vapor permeability, so the surface can breathe.
- Provides excellent thermal resistance, it never turns soft.
- Provides excellent weather and UV resistance.
- Provides high sun reflectivity, contributing to thermoinsulation.
- Maintains its mechanical properties over a temperature span of - 40 °C to + 90 °C.
- Provides excellent adhesion to almost any type of surface.
- The waterproofed surface can be used for domestic and public pedestrian and vehicular traffic.
- Resistant to detergents, oils, seawater and domestic chemicals.
- Even if the membrane gets mechanically damaged, it can be easily repaired locally within minutes.
- Over 15 years of positive feedback worldwide.

USES

- › Waterproofing of Roofs
- › Waterproofing of Rooftop decks.
(*Lotus B2 Base Coat is the only long lasting application for residential rooftop decks of townhouses in US cities*)
- › Waterproofing of garrages, mechanical room, hvac rooms or any other sensitive sections of the structures
- › Waterproofing for Foundations. Works great to stop static ground water
- › Waterproofing over APP Modified, SBS, EPDM, TPO, PVC roofs as well as straight waterproofing on Concrete, Metal, Wood (OSB, Plywood etc.). Excellent adhesion with the primer specified in specs.
- › Waterproofing of Balconies, Terraces and Verandas
- › Waterproofing of wet areas (*under-tile*) bathrooms, walk-in showers, kitchen, balconies, auxiliary rooms, etc.
- › Waterproofing of Pedestrian and Vehicular traffic Decks
- › Waterproofing of Green Roofs, Flowerbeds, Planter Boxes
- › Protection of Polyurethane Foam Insulation
- › Waterproofing and protection of Concrete constructions like Bridge-Decks, Tunnels, Stadium Stands, Car Parks, etc.

CONSUMPTION

Standard Usage: Lotus PR1 Primer 0,20 kg/m²
Lotus B2 Base Coat 1.20 kg/m²

Powerful Usage: Lotus PR1 Primer 0,20 kg/m²
Lotus B2 Base Coat 1.70 kg/m²

This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature and application method can alter consumption.

APPLICATION

- › Keep it in room the temperature for 24 hours before the application for best results.
- › It should be mixed with slow speed mixer or a clean wood/metal stick to mix, until the mixture is homogeneous.
- › Before application, area preparation is essential. Application area should be clean and dry. No dust, dirt, soil, grease etc. Remove loose chippings and caulk holes with M501 mastic.
- › Single component. No need for any other components, it is ready to use in its package.
- › Structural joints (*seams between plywood*) and surface/wall flashings should be filled with S4 sealant and reinforced with Lotus fabric.

- › Lotus liquid membrane has self leveling features which doesn't require overwork on the product.
- › Apply with Roller, Squeegee or Quality Spray machines (*Graco etc*).
- › Use Lotus vertical base coat for vertical surfaces to avoid sagging
- › It will form a skin after 45 minutes and be completely waterproof. You can install the 2nd layer after 3-4 hours where you can start walk on it. It cures fully in 24hrs.
- › Use Lotus T3 top coat max for comprehensive over 20 year warranty systems as well as pedestrian and vehicle traffic areas.
- › Temperature and humidity conditions will affect the curing times: colder the weather, longer the curing time.

COLORS

Lotus B2 Base Coat is supplied in white and light grey. Other colors may be supplied on demand.

PACKAGING

Lotus B2 Base Coat is supplied in 25 kg, metal pails. Pails should be stored in dry and cool rooms for up to 12 months. Protect the material against moisture and direct sunlight.

Storage temperature: 5°C -30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels. Pails should be stored in a dry and cool rooms for up to 12 mounts. Protect the material against moisture and direct sunlight.

Storage temperature: + 15°C/ +25°C. Production date is on label. Because of freezing in a short time period use opened packages. Packages should be stored upward. Do not apply in closed areas because of solvent scent. The surface temperature should be +5°C. It is flammable so do not come closer with a flame. Do not smoke while application. Application should be done at open areas or air conditioned places. Use eye shield, glove and protector clothes. If it touches with skin wash with water and soap. Do not use the empty packages for the storage of nutriment.

SAFETY MEASURES

Lotus B2 Base Coat contains isocyanates. See information supplied by the manufacturer. Please study the Safety Data sheet.
PROFESSIONAL USE ONLY.

