DuroPur PB 1K

DuroPur PB is a one component, bitumen / polyurethane mixed waterproofing coating. It is curing with the humidity in the air. With its liquid structure it adheres perfectly to different surfaces, creating a durable and elastic film. It has high mechanical and chemical resistance. It has high tear and abrasion resistance.

It is based on pure elastomeric hydrophobic polyurethane resin with chemically polymerized virgin bitumen.

FEATURES AND BENEFITS

- It cures quickly.
- Thick coat application can be made, it does not form bubbles.
- Although it does not need to be thinned, DuroSol 100 can be used.
- It is resistant to cold, The film retains its elasticity down to -40°C.
- It has excellent mechanical properties.
- High elongation.
- It has stress, tear and abrasion resistance.
- Good resistance to chemicals
- It acts effectively as a water vapor barrier.
- Minimum total consumption: 1,5 – 2 kg/m2.

USES

- Concrete
- Alkalis
- Roofs
- Green roofs and plant beds
- Gypsum and cement panels
- Asphalt membranes/EPDM membranes
- Bridge platforms
- Retaining walls

PROPERTIES	VALUES	STANDAROS
Color	Kahverengi, siyah	-
Density	1,35±0,05 g/cm 3	ASTM D1475 / DIN 53217 / ISO 2811, @ 20 o C
Hardness	35 Shore A	ASTM D2240 / DIN 53505 / ISO R868
Viscosity	2500-3500 cP	ASTM D2196 @ 23 o C
Mixture Container Life (+25 o C)	30-35 min	-
Adhesion to Concrete	1,3-1,6 (N/mm 2)	ASTM D4541
Elongation Percentage	%600-800	ASTM D412 / EN-ISO-527-3
Waiting Time Between Floors	8-10 Hours	-
Re-Folding	10-24 Hours	-
Full Drying	7 Days	-

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

CONSUMPTION	PACKAGING TYPE
Minimum total consumption: 1,5 – 2 kg/m2.	25 Kg in special metal packages

APPLICATION INFORMATION

Surface Preparations

The surfaces to be applied must be cleaned from dust, oil, paint residues and old coating residues, Loose, dismantled or playing concrete particles on the surface should be fixed, Fix all cracks and side wall joint edges with Pu sealants or repair mortars, Surface irregularities should also be filled with appropriate products. Before using, mix the product well by low speed mixer. Use the appropriate primer from the below giver primer list.

Primer:

•DuroPur PP 1K for absorbent surfaces

•DuroPur PP 2K for absorbent surfaces (for moisture barrier)

•DuroPur PS 1K for non-absorbent surfaces (metal, ceramic)

•DuroPur EP 2K Epoxy primer

•DuroPur EP MB Moisture barrier epoxy primer

Application:

Apply the material with a roller, brush or spray within two layers. Wait 6-24 hours between coats. Do not exceed 48 hours between coats. Or if you are unsure of the interlayer adhesion, contact our technical department.

STORAGE CONDITIONS

It can be stored in its original unopened buckets for a minimum of 12 months in dry environments with temperatures between 5°C and 25°C.

SAFETY INFORMATION

During the application, flammable, flammable and flammable products should be kept away, Smoking should not be allowed, Care should be taken to ensure that the area to be applied is constantly ventilated, Protective equipment such as glasses and gloves should be used during the application, In case of eye contact, it should be thoroughly washed with plenty of water, Please request the Material Safety Data Sheet for detailed information, It should be kept out of the reach of children, The product should be consumed by professional users, taking into account the data in the technical information section.