www.duropur.com
info@duropur.com

DUROPUR
CONSTRUCTION CHEMICALS

DuroPur WP 200

DuroPur WP 200, is a liquid applied polyurethane based, single component waterproof coating material, It cures with the humidity in the air and it produces a highly elastic membrane with strong adhesion power to different types of surfaces.
It is a pure elastomeric hydrophobic polyurethane resin, which gives excellent mechanical, chemical and UV resistance.

FEATURES AND BENEFITS

- It has excellent mechanical properties on different types of surfaces,
- Has effective resistance to chemicals,
- Once it cures, it does not contain any toxic substances,
- It has the permeability of water vapor,
- Has UV resistance,
- Thermal resistance is excellent, the product never softens, The maximum service temperature is 90 °C and the maximum shock temperature is 200 °C, The film protects its elasticity down to −60°C,
- In case of a damage, DuroPur WP 200 can be easily repaired in a short time,
- Although it does not require thinning, DuroSol 100 can be used depending on the conditions.

USES

- gypsum and cement boards,
- polyurethane insulation foams,
- bathrooms,
- verandas and balconies,
- Open flat roofs,
- light roofing fibrous cement,
- metal roofs,
- asphalt membranes,
- EPDM membranes,
- stadium stands,
- car parks,

TECHNICAL SPECIFICATIONS

PROPERTIES	VALUES	STANDARDS
Colour	Beyaz Gri	-
Density	1,37 - 1,42 g/cm 3	ASTM D1475 / DIN 53217 / ISO 2811, @ 20±2 C
Hardness	65 Shore A	ASTM D2240 / DIN 53505 / ISO R868
Viscosity	2500-3500 cP	ASTM D4287, C @ 25 o
Water Vapor Permeability	0,8 gr/m 2 hours	ASTM E96 (Water Method)
Adhesion to Concrete	<2,5 (N/mm 2)	ASTM D4541
Tensile Strength	>5 (N/mm 2) (+23 o C)	ASTM D412 / EN-ISO-527-3
Elongation	≥ 500%	ASTM D412 / EN-ISO-527-3
Drying	6-8 hours	-
Recoat Time	12-24 hours	-
Chemical Curing	7 days	-

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

CONSUMPTION

First floor: 0,75-0,9 kg/m2,
Second coat: 0,75-0,9 kg/m2,
Minimum total consumption: 1,5-1,8 kg/m2,

PACKAGING TYPE

1 Kg, 5 Kg, 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 Primer P for absorbent surfaces
- DuroPur Primer 2K for absorbent surfaces (for moisture barrier)
- DuroPur Primer S 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.

SAFETY INFORMATION

During the application, 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.