DuroPur CP 2K

It is a two-component, polyurea-based liquid waterproofing material. It forms a highly elastic film by adhering strongly to all kinds of surfaces. It contains pure elastomeric hydrophobic polyurethane resin that gives the material excellent resistance to UV, chemical, mechanical and thermal resistance.

USES

- Tile (under coating)
- Bathrooms
- Roofs
- Bridges and tunnels
- Lightweight roofs made of metal or fiber cement
- Asphalt membranes
- As the main waterproofing membrane in the waterproofing systems of car parks.
- Stadium tribunes

FEATURES AND BENEFITS

- It has excellent mechanical properties.
- It exhibits effective resistance against chemicals.
- It does not contain toxic substances after curing.
- It has water vapor permeability
- Its thermal resistance is excellent; the product never softens.
- The maximum service temperature is 90°C, maximum shock temperature is 200°C
- Resistant to cold: The film maintains its elasticity down to -40°C.
- Even if it is damaged in any way, the damaged part can be easily repaired in a short time.

CONSUMPTION

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

TECHNICAL SPECIFICATIONS

Density	1,37-1,42 gr/cm³
Shore	65 (SHORE A)
Viscosity	3000-4500
Water Vapour Permeability	0,8 gr/m²
Adhesion to concrete	>2,5 (N/mm²)
Tensile	≥8 (N/mm²)-[+23°C)
Elongation	≥ %500
Pot Life	30 min
Curing Time	4-6 hour
Duration time between layers	6- 12 hour
Final Curing	7 day

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.

PACKAGING TYPE

- A Component 25 Kg
- B Component 1,5 Kg

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 given 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

The concrete subfloor must be robust and have sufficient compressive strength (at least 25N/mm²) and pull off strength (at least 1,5N/mm²).
Preparation of the mixture:
The product is two-component, and it is recommended to make a homogenous mixture as much as the amount to be consumed. It is kindly recommended to consider the pot life of the mixture. Excess mixtures will become unusable after the end of the pot life period. Once component B has been added to component A, it must be stirred with a low-speed electric mixer for 2-3 minutes (300rpm) until it achieves a homogeneous color.
Application:
During mixing and applying, use rubber gloves and work goggles to protect your skin and eyes from being affected. Do not add any foreign substances and water into the product. In extremely hot weather, the mixture should be made enough to be consumed as the product will harden immediately when mixed. It should not be applied if the temperature is below +5°C.

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.