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DUROPUR
CONSTRUCTION CHEMICALS

DuroPur WP 2K

DUROPUR WP 2K is a two-component solvent free waterproof coating material, it has UV resistance, it is open to light pedestrian, it can be applied under concrete, cement floor, tiles.

PROPERTIES

- It can be applied with a roller brush, trowel, or airless spray gun.
- Suitable for pedestrian traffic .
- Resistance to ponding water and frost
- Maintains physical properties between -30°C / + 90°C
- Water vapor permeable.
- It has strong adherance properties.
- High UV resistance
- Solvent free.
- Self levelling.
- Shows efficient resistance against chemicals (solvents, oils, sea water, thinned acids and sulfides).
- Once it cured it does not contain toxic substances.

APPLICATION AREAS

- Flat roofs,
- Balconies,
- Kitchen, bathroom, toilets (under tile),
- Building foundations
- Wastewater treatment pools
- Chemical pools
- Underground water structures
- On light roofs made of metal and fibrous materials

SURFACE PREPARATION

The surface should be purified from humidity. The application field should be cleaned out all other coatings and purified from oil, dust, dirt .

- Hardness of application concrete (R28 = 15 Mpa)
- Temperature: 5÷35 °C
- Relative humidity of air: < 85%

Primer Application:
Many absorbent surfaces such as concrete, cement screed or wood should be filled with PU lining before the primer application, without creating a film.

TECHNICAL SPECIFICATIONS

PROPERTIES (23 °C, 55 % RH)	UNIT	METHOD	SPECIFICATIONS
View A Component: Waterstop BComponent: Hardener	-	-	White, Grey, Green, Blue, Ral Colours
Mixing ratio A Component: Waterstop B Component: Hardener			5:1
Viscosity (BROOKFIELD) A component: Waterstop @20 rpm B Component: Hardener	cP	ASTM D2196-86 / TS 5933 / EN ISO 3219	10000-15000 200-400
Density A Comp B Comp	gr/cm 3	ASTM D1475 / DIN 53217 / ISO 2811	1,55 ± 0,05 1,25 ± 0,05
Application time	Minutes	-	35-40
Walking time on	Hours	-	8-12
Solid content	%	ASTM D2369	~100
Serve temperature	°C	-	+5°C/+30°C
Shore A hardness	Shore A	ASTM D2240 / DIN 53505 / ISO 868	75-85
Tensile strength	N/mm 2	ASTM D412	>5
Elongation at break	%	ASTM D412	~ 100
Flash point	°C	ASTM D93	> 95
Shelf life	month	-	12

If the surface is smooth and saturated with primer, if the surface is not cleaned and primed properly, it can lead to the removal of the applied product from the surface, and the formation of problems such as bubbles, craters, pinholes etc. on the surface.

APPLICATION

DUROPUR WP 2K, applied by roller, trowel, brush or airless spray.

The mixture, which is ready for application, is applied so that the surface is saturated and the pores are closed. The new coat application time is minimum 4 hours (23 ° C) and maximum 24 hours. The surface must be sanded before new coat applications exceeding 24 hours. It is very important to apply the second coat within the new coat application period mentioned above. It reaches a full mechanical and chemical resistance (at 23 °C, 55% RH) in 7 days.

- It is applied on the floor by brush or roller. Air bubbles should be taken with a hedgehog roller within 10 minutes.

The mixing time of the two components should be taken into account and prepared at the specified mixing rate until the amount to be consumed. In order to obtain a homogeneous mixture, the product temperature should not be less than 15 ° C. The A component should be stirred quickly with a mechanical mixer, adding the hardener (component B) to the mixing ratio. Components A and B should be mixed with a mechanical mixer for at least 3 minutes until homogenous.

- with low speed mixer and appropriate mixer tip.

It offers practical application in ready-to-use packaging, which can be applied without thinning.

- The layer must be protected against water and rain, external influences and mechanical stress until it is dry.
- In case of application of the second layer, wait between the layers approximately 4-24 hours. It should be kept in mind that the waiting time in hot weather may be shortened and may be extended in cold weather.
- Consumption is min 1,5kg/m2 but of course it may vary depending on surface roughness, ambient and surface temperature and application method.

STORAGE AND SHELF LIFE

- It should be protected from water and frost.
- Store in a dry and cool environment (between +15°C / + 25°C)
- Even opened packages are tightly closed, the inside of the product will be curing quickly so the opened cans should consumed soon.
- The shelf life is 12 months.

PACKING
A + B = 10 +2 kg