DUROPUR
CONSTRUCTION CHEMICALS

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DuroPur WP 200T

DuroPur WP 200 T, is a polyurethane based, single component, thixotropic, waterproof coating material with UV additives. It is curing with humidity in the air. It is ready to use for vertical surface applications. It has adhere strongly to different substrates, It has high mechanical and chemical resistance.

APPLICATION AREAS

DuroPur WP 200T is used for the protection and insulation of the following vertical surfaces. Can be exposed to direct sunlight;

- In terrace, roof and rain gutters side walls
- patio and balconies and side walls'
- kitchens, toilets and bathrooms
- Bitumen, PVC, EPDM based membranes,

PROPERTIES

- Applies on vertical surface
- Creates a crack bridge.
- Easy to apply with roller brush or airless spray.
- Has resistance to ponding water (it maintains physical properties between -30°C / + 90°C.
- Water vapor permeable and allows the surfaces to breathe,
- It has excellent adherence properties.
- Has strong resistance to chemicals.
- It does not contain toxic substances after it has been cured.

PRODUCT INFORMATIONS

PACKAGING

20 Kgs Pails

COLOR

Grey

White

SHELF LIFE

It has 12 months shelf life is under specified storage conditions in its original unopened packaging.

APPLICATION INSTRUCTIONS

SURFACE PREPARATIONS

The surfaces to be applied should be dry and clean, Concrete and plaster residues mechanically; oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents, Damaged coatings, uneven surfaces and cracks should be repaired with appropriate products, After the repair, the surface should be primed with EP or PU based primer depending on the situation and then the application of DuroPur WP 200T should be started.

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

PRIMING

Many absorbent surfaces such as concrete, cement screed or wood should be filled with PU lining before the primer application, without creating a film. It is of great importance for a correct application that 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 200T applied in 2 coats with thin comb trowel, airless spraying machines or brush or roller.

- In not wait more than 24 hours between layers.
- In case of exceeding 24 hours, the application surface must be treated with sandpaper,
- If it is thought to be applied by spraying method, material should be applied after being diluted with Tortoise Polyurethane Thinner.

STORAGE CONDITIONS

- Store in a dry and cool environment (between +15°C / + 25°C)
- It should be protected from water, frost, heat, ignition, direct sunlight and adverse weather conditions
- The date of manufacture is on the label.
- Even opened packages are tightly closed, the inside of the product will be curing quickly so that the opened cans should be consumed in short time.

CONSUMPTION

- First layer : 0,600 - 0,800 kg / m2,
- Second layer : 0,600 - 0,900 kg / m2 total 1,5 kg / m2 (min.)
- Consumption may vary depending on surface roughness, ambient and surface temperature and application method.
- The packages kept at room temperature for 24 hours are opened and mixed until homogenous consistency. Mixing should be done with low speed mixer and appropriate mixer tip.

TECHNICHAL DATA

PROPERTIES [23°C & %55 RH]	UNIT	METHOD	SPECIFICATIONS
Viscosity [BROOKFIELD]	cP	ASTM D2196-86	15000-20000
Density	gr/cm3	ASTM D3475 / DIN 53217 / ISO 2811	1,35 ± 0,05
Solids Content by Weight	%		80-85
Flash Point	oC		>40
Walkable on Time	hour		8-12
Recoat Time	hour		8-12
Hardness (7 days)	Shore A		50-60
Tensile Strength (7 days)	N/mm 2		>2
Elongation at Break	%	ASTM D412	>600
Adhesion to Concrete	N/mm2	ASTM D4541	1,5-2
Volatile Organic Compound (VOC)	g/L	ASTM D3960	120-160
Shelf life	month		12
Water Vapor Transmission	gr/m2.h	ASTM E96 (Water Method)	0,8