TECHNICAL DATA SHEET

WP-200HD

ACRYLIC BASED WATERPROOFING UV COATING

PRODUCT DESCRIPTION

Obaproof WP-200HD is a water-based acrylic liquid membrane. It is a liquid type coating and cure to form as a seamless, elastic, heat proof, anti hair line crack and waterproofing layer.

ADVANTAGE

- WATERBASED
- LOW VOC
- APPLICABLE ON EXPOSE AREA
- ANTI HAIR LINE CRACK
- HIGH ELONGATION
- WEATHER PROOF
- GOOD BONDING STRENGTH
- WATERPROOF
- SEAMLESS

APPLICATION AREA

- RC FLAT ROOF
- CAR PORCH ROOF
- BATHROOM
- AIRCON LEDGE
- BALCONY & YARD
- EXTERNAL WALL
- METAL ROOF & GUTTER
- EXPOSE AREA WITH SLOPE

APPLICATION TOOLS

- BRUSH
- ROLLER
- HIGH PRESSURE SINGLE HOSE SPRAY MACHINE.

STORAGE:

Material to be stored in the cool dry place.

TECHNICAL DATA

- Appearance: Milky white emulsion
- Solid content: 70%
- Density: 1.2
- Elongation at break ASTM412: > 482.8%
- Crack bridging: 1.2mm
- Tensile strength ASTM412: 6.5Mpa
- Tear strength ASTM D624: 54kgf/cm^2
- Coverage:
  Wall: 0.5Kg/m^2/Coat
  Floor: 0.75 Kg/m^2/Coat
  With fiberglass/mesh: 0.85Kg/m^2/Coat.
  Minimum in 2 Coats application.
- Dry film thickness:
  Wall: 0.8mm (1kg)
  Floor: 1.2mm (1.5Kg)
  With fiber net:1.5mm (1.7kg)
- Colours: Grey & White

SAFETY

- Applicator are recommended to wear gloves, mask and goggles during application.
- In case of contact, wash the affected area with water and soap.
- No food or beverages allowed during application.
- Keep the material away from children.

NOTICE:
To apply the Obaproof WP-200HD as expose type waterproofing system, a lay to fall RC or cement screed without water ponding & an additional layer of fiberglass net or fiberglass mesh reinforcement will maximize the performance of the material.

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SITE VISIT AND INSPECTION: Prior to waterproofing installation, arrange a visit to project site. The applicator shall inspect and certify that concrete surfaces are in acceptable condition to receive waterproofing treatment before proceed to the application, make sure that concrete surfaces are sound and clean, and that form release agents and materials used to cure the concrete are compatible with waterproofing treatment. For expose type application, a lay to fall RC slab or cement screed are recommended.

DEFECTS EXAMINED, TOUCH UP AND REPAIR: Examine defects such as honeycombing, rock pockets, faulty construction joints and cracks. Such defects to be repaired by cement grout, patching mortar or epoxy grout.

STRUCTURAL PONDING TEST (IF ANY): Before any waterproofing treatment, a minimum 24 hours of structure ponding test are strongly recommended, fill up the water at least up to the construction joint in the vertical wall area, monitor and repair the leaking area by PU grouting injection, this simple step helps the performance of waterproofing for long term.

SURFACE PREPARATION: Clean the dusty surfaced, remove cement ash and trashed, ensure the surface is good to received waterproofing.

ANGLE FILLET: Form the angle fillet between vertical and horizon area such as the area between wall and floor slab. The angle fillet can be done by normal cement grout mix with water and sand. The angle fillet required minimum 25mm x 25mm, or 50mm x 50mm will be better.

PRIMER COAT: To apply a layer of primer coat, mix 1 portion of Obaproof WP-200HD with 3 portion of water, slowly mix by the electrical mixer, and apply a thin layer of primer approximately at 0.2kg/m^2 into the surface where to be received waterproofing coating, the primer coat can be apply by using brush, roller, broom or sprinkling by hand but must ensure all the surface is applied accordingly.

1st COAT OF OBAPROOF WP-200HD: After the primer coat, the 1st layer of waterproofing coating Obaproof WP-200HD can be apply after 1 to 2 hours (depend on the weather condition), even the surface are still wet or damp (but not ponding with water). To apply Obaproof WP-200HD, open the cover, stirring the Obaproof WP-200HD slowly by electrical mixer, maximum 10% of water are allow to add in, after the stirring, Obaproof WP-200HD are ready to apply, it can be apply by brush, roller or spray by high pressure single component spray machine at dosage 0.75kg/m^2. Do not apply more than 2kg/m^2/coat or the crack could be found at surface of material and might cause the peeling off after curing.

TREATMENT TO OUTLET (IF ANY): Apply a layer of Obaproof WP-200HD surrounding the outlet, the use of brush would be highly recommended.

FIBERGLASS REINFORCEMENT (IF ANY): After the 1st coat of Obaproof WP-200HD is done, lay and fixed a layer of fiberglass net or mesh on top of it. The fiberglass net or mesh reinforcement are highly recommended for the expose type waterproofing system.

2ND COAT OF OBAPROOF WP-200HD: After the Fiberglass net or mesh to be lay and fix, the 2nd coat of Obaproof WP-200HD can be apply anytime, before apply the 2nd coat, stirring the material is still needed, during the stirring, maximum 10% of water are allow to add in. Same as per above, Obaproof WP-200HD can be apply by brush, roller or spray at dosage 0.75kg/m^2, if there is a fiberglass net in the system, 1kg/m^2 could be consume to ensure the fiberglass net had been fully covered by the 2nd coat of Obaproof WP-200HD.

CURING TIME:
Primer coat: 1 -2 hours.
1ST Coat: 6 - 8 Hours. 2ND Coat: 8 Hours till fully cure.

PONDING TEST: Ponding test are not recommended for all Acrylic base coating, therefore, a maximum 24 hours of ponding are allow if necessary.

PROTECTIVE SCREED (IF ANY): If there is protective screed needed. Do it as soonest as possible to minimize the exposure time of the material in order to keep its best performance.

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