

weberdry PUM coat

High Performance Elastomeric Polyurethane Modified Waterproofing



weberdry PUM coat is a single-component, low VOC, liquid applied waterproofing membrane. It is highly elastic producing a seamless, crack bridging membrane for roofs, balconies, floor slabs, RC gutters, foundations and retaining wall

PRODUCT BENEFITS



USES

- Roofs
- Balconies
- Toilets
- Kitchens
- Retaining Walls
- Walkways
- Podiums

TECHNICAL DATA & PHYSICAL PROPERTIES

| | |
|-----------------------------|---|
| Colour | Black |
| Density | 1.8kg/l at 23°C |
| Shelf Life | 12 months from date of production |
| Service Temperature | Between 5°C to 40°C at normal ambient temperature |
| Substrate temperature | Between 5°C to 35°C |
| Substrate coated | No standing water/condensation on the substrate to be coated |
| Air Humidity | Maximum 80% RH |
| Dew point | Surface temperature must be +3°C above the dew point |
| 1st coat to primer | 1 - 2 hours |
| Over Coat Time | 4 - 6 hours |
| Final coat to reinforcement | 12 - 24 hours |
| Curing Time | 48 hours |
| Screed/mortar/concrete | after 48 hours |
| Standard System | |
| Priming Coat | 0.2 kg/m ² (Dilute 1 part to 1 part clean potable water) |
| 1st Coat | 0.7 kg/m ² |
| Final Coat | 0.7 kg/m ² |
| Improved System | |
| Priming Coat | 0.2 kg/m ² (Dilute 1 part to 1 part clean potable water) |
| 1st Coat | 0.7 kg/m ² |
| Reinforcement | 0.5 kg/m ² + 1 layer tape fibermesh 100 |
| Final Coat | 0.5 kg/m ² |
| Pull-Off Adhesion Strength | ≈ 1.0 N/mm ² |
| ASTM D412 | |
| Elongation at break | > 150% |
| ASTM D412 | |
| Surface Absorption | 0 (Impermeable) |
| (BS 1881 Part 208 1996) | |



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FEATURES AND BENEFITS

- Eco-friendly with a low VOC.
- Ultra-high bonding and elastic properties designed for superior crack-bridging.
- Easy application to minimize on-site errors.
- Enhanced durability with a polyurethane modified formulation hence, increases the service life of the roof or structure.

PROCEDURE & APPLICATION



Surface Preparation

New concrete should be cured for at least 28 days and should have a pull off strength ≥ 1.5 N/mm². Cement or mineral based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface. Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed. Substrate must have sufficient a gradient for surface water to run off easily without any ponding water.

Constraints

Do not apply on substrates with rising moisture. Always apply during falling ambient and substrate temperature. If applied during rising temperatures pin holes may occur from rising air. Ensure that temperature does not drop below 8°C and that relative humidity does not exceed 80% until the membrane has fully cured. Ensure that the coating is thoroughly dry and the surface is without pinholes before applying the next layer. Do not allow temporary water ponding to remain between coats on any horizontal surfaces or until the final coating has totally cured. Brush or mop the surface water away during this time. Do not apply directly on insulation boards. Protect the waterproofing for 48 hours after the final coat. Do not expose waterproofing for a prolonged period of time after application. It is highly recommended to protect the wall waterproofing membrane with polystyrene or protection board before back filling. When applying a screed over the **weberdry PUM coat** use a polyethylene sheet on top of the coating as a separation layer and protection layer for the coating. Minimum joint over lapping is 100mm



Application

Prior the application of **weberdry PUM coat**, all corners or possible weak areas must be treated with application of **weberdry PUM coat** with **webertape fibermesh 100**.

Improved System

weberdry PUM coat is applied with the reinforcement of **webertape fibermesh 100** to enhance the waterproofing system

- Apply primer (~ 0.2 kg/m²) of dry PUM coat (dilute 1 part to 1 part water).
- Apply 1st coat (~ 0.7 kg/m²) of dry PUM coat after 1 - 2 hours of primer coat.
- Apply 2nd coat (~ 0.5 kg/m²) of dry PUM coat then roll in webertape fibermesh 100 and ensure that there are no bubbles or creases. Overlapping of tape fibermesh 100 at minimal 5cm. It is highly recommended to carry out just 1m² per time for a lesser experienced application. Apply 4 - 6 hours after 1st layer.
- Apply final coat (~ 0.5 kg/m²) of dry PUM coat. Rule of thumb is to have sufficient materials to embed webertape fibermesh 100. Surface should be smooth after application. Apply the final coat after 12 to 24 hours of the 2nd coat.

Standard System

weberdry PUM coat is applied without reinforcement

- Apply primer (~ 0.2 kg/m²) of dry PUM coat +10% water or apply primer (~ 0.2 kg/m²) for wet rooms.
- Apply 1st coat (~ 0.7 kg/m²) of dry PUM coat with proper tools, apply 1 - 2 hours after primer coat.
- Apply final coat (~ 0.7 kg/m²) of dry PUM coat after 4 - 6 hours of 1st coat.

PROCEDURE & APPLICATION



Curing

The waterproofing must not become wet while it is still curing. It should be protected from direct sunlight, rain or pedestrian traffic 4 days of natural air curing is normally sufficient however 7 days is recommended for over coating with other cementitious materials such as screed and tile adhesive

Water ponding tests can be carried out after 4 days curing

COVERAGE

Improved system Approx. 10m² per 20kg plastic pail

Standard system Approx. 13m² per 20kg plastic pail

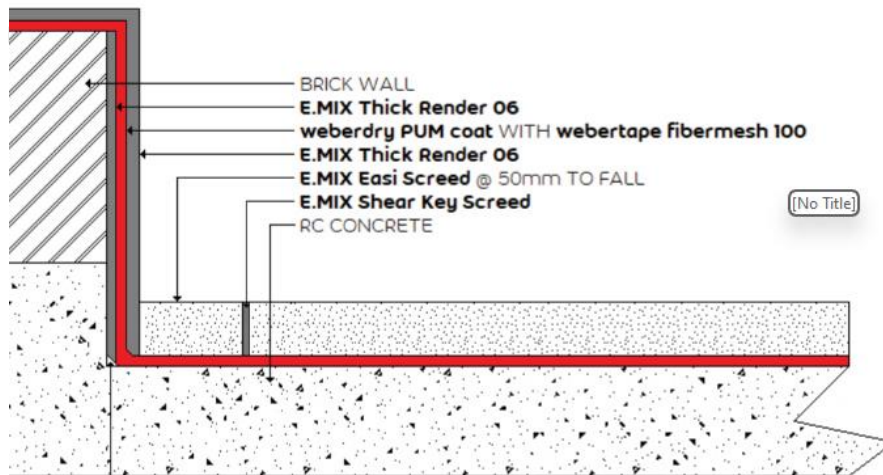
STORAGE & PACKING

20kg plastic pails

Shelf life of 12 months when stored in dry conditions of normal ambient temperature between 5°C to 35°C.

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data



TYPICAL RC FLAT ROOF - NON EXPOSED SYSTEM



*Note Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain Weber (M) Sdn Bhd reserves the rights to amend the contents of the data sheet at its sole discretion. (Feb '24)



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