

weberdry FLEXI coat

HIGH PERFORMANCE SEAMLESS ACRYLIC WATERPROOFING

DESCRIPTION :

weberdry FLEXI coat is a single component, UV-resistant, liquid applied, seamless acrylic waterproofing membrane. It has excellent weather resistance & UV-resistance, making it suitable to be used on exposed surfaces.

USES :

- RC Roofs
- RC Gutters
- Balconies
- Metal Roofs
- Terraces
- A/C Ledge
- External wall
- Cementitious substrates
- Gutter / Downpipes

FEATURES AND BENEFITS :

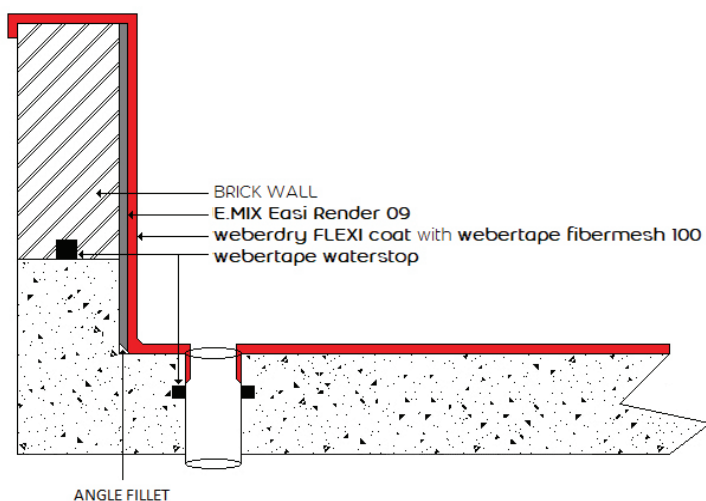
- Single component – Ready to Use
- Eco-friendly with Low VOC
- Easy application to minimize site application errors
- Excellent weather & UV-resistant specially designed for exposed waterproofing areas
- Ultra-high bonding and elastic properties designed for superior crack-bridging

PREPARATION :

- New concrete should be cured for at least 28 days and should have a Pull off strength $\geq 1.5 \text{ N/mm}^2$.
- 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 gradient for surface water to run off easily without ponding water

TECHNICAL DATA

Colour	: Grey / White
Density	: 1.8kg / l at +23°C
Shelf Life	: 12 months from date of production
Service Temperature	: Between 5°C to 40°C (improved system)
Storage Temperature	: Between 5°C to 40°C
Substrate Temperature	: 5°C – 35°C
Substrate	: No standing water/condensation on the substrate to be coated
Air Humidity	: Maximum 80%
Dew point	: Surface temperature must be +3°C above the dew point
1 st coat to primer	: 1 – 2 hours
Over Coat Time	: 4 – 6 hours
Final coat to reinforcement	: 12 – 24 hours
Curing Time	: 48 hours
<i>Standard System</i> Priming Coat	: 0.4kg/m ² (Dilute the product with 10% of clean potable water)
1 st Coat	: 0.5 kg/m ²
Final Coat	: 0.5 kg/m ²
<i>Improved System</i> Priming Coat	: 0.4 kg/m ² (Dilute the product with 10% of clean potable water)
1 st Coat	: 0.5 kg/m ²
Reinforcement	: 0.5 kg/m ² + 1 layer webertape fibermesh 100
Final Coat	: 0.5 kg/m ²
Tensile Adhesion Strength ASTM D7234	: $\approx 1.0 \text{ N/mm}^2$
Elongation at break ASTM D412	: > 300%



CONSTRAINTS :

- Do not apply on substrates with rising moisture. Always apply during falling ambient and substrate temperature. If applied during rising temperatures pinholes 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 free of pinholes before applying next layer.
- Do not allow temporary ponding to remain between coats on any horizontal surfaces or until the final coating has totally cured. Brush or mop surface water away during this time.
- Do not apply directly on insulation boards.
- Protect the waterproofing 48 hours after the final coat. Do not expose waterproofing for pro-long period of time.
- It is highly recommended to protect the waterproofing membrane with polystyrene or protection board before back filling
- Minimum joint over lapping is 100mm.

APPLICATION :

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

Improved System:

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

- Apply primer (~0.4 kg/m²) of **weberdry FLEXI coat** + 10% water
- Apply 1st coat (~0.5 kg/m²) of **weberdry FLEXI coat** after 1 – 2 hours of primer coat
- Apply 2nd coat (~0.5 kg/m²) of **weberdry FLEXI coat** then roll in **webertape fibermesh 100** and ensure that there are no bubbles or creases. Overlapping of **webertape fibermesh 100** at minimal 5cm. It is highly recommended to carry out just 1m² per time for least experienced application. Apply 4 – 6 hours after 1st layer
- Apply final coat (~0.5 kg/m²) of **weberdry FLEXI 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 FLEXI coat is applied without reinforcement

- Apply primer (~0.4 kg/m²) of **weberdry FLEXI coat** +10% water
- Apply 1st coat (~0.5kg/m²) of **weberdry FLEXI coat** with proper tools, apply 1 – 2 hours after primer coat
- Apply final coat (~0.5kg/m²) of **weberdry FLEXI coat** after 4 – 6 hours of 1st coat.

Note :

- Please note, always begin with details prior starting with waterproofing the horizontal surface. For details follow step as proposed by our respective staff. As a rule of thumb, the previous layers must be cured & tack-free before the application of the consecutive layers
- All joints should be reinforced with **webertape fibermesh 100** or non-woven polyester mesh
- Waiting time between layers are based on 20 – 30°C with 50% relative humidity

CURING :

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

PACKING :

5 & 20kg plastic pails

SHELF LIFE / STORAGE :

12 months; when stored in dry conditions of normal ambient temperature between 5°C – 35°C.

TECHNICAL SERVICES :

For further details or recommendation please contacts our Technical Advisory/Specification Center at 603-6038 9498 (KL) & 604-626 2830 (Penang)

PRECAUTION :

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

Conditions Of Sales :

Sold subject to Company's Condition of Sale, which is available upon request.

Note :

All instruction and information are provided by us for the general guidance only and are believed to be accurate and complete. Users must exercise special care and caution depending on the conditions and particular purpose of usage and are responsible to ensure that they have consulted our latest literature. To the maximum extent allowed by law, Saint-Gobain Weber (M) Sdn Bhd, its representatives, agents or distributors shall be under no liability for any loss of profits and other economic or physical losses.

Marketing Offices :

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Member OF :

- FMM, Malaysia
- MCIG, Malaysia
- MBAM, Malaysia
- MGBC (Malaysia Green Building Confederation)
- SGBC (Singapore Green Building Council)
- SIRIM Working Group - MS 1294 & MS 1295

OHSMS CERTIFIED TO ISO 45001 (CERT NO: MY16 / 02151)
EMS CERTIFIED TO ISO 14001 (CERT NO: MY13 / 04546)
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