

MA A100

Acrylic waterproof membrane



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ACRYLIC WATERPROOF MEMBRANE

I. DESCRIPTION:

MA A100 is 1-component, highly flexible UV resistant acrylic emulsion waterproofing coating.

MA A100 provides excellent UV protection as well as providing a long-lasting, resilient protective layer.

II. USES:

MA A100 is used for waterproofing:

- Vertical concrete surfaces, asbestos roofs...
- Covers cracks and cracks less than 0.4 mm wide.
- Parapet walls, external walls.
- New plaster layer (humidity <17%).
- Protects concrete against deterioration from the effects of UV.

III. ADVANTAGES:

- One component, easy to use.
- Reduce construction times.
- Good alkali resistant.
- Apply by brush, roller and sprayer.
- High elasticity.
- Impermeable.
- Excellent hiding power.
- Use for external walls.
- Very good crack bridging ability.
- Excellent hiding power.
- External weather & UV resistant.

IV. PRODUCT INFORMATION:

Data	MA A100
Base	Aqueous Acrylic Dispersion
Appearance	Liquid
Color	White, light grey, grey
Density	1.3 ± 0.5 kg/liter
Consumption	0.3 kg/m ² /layer
Elongation at Break	> 140 %
Crack bridging ability	> 0.8 mm
Tensile Strength	>1.2 N/mm ²
Adhesion in Peel	>1.2 N/mm ²
Flash point	unflammable
Drying time	> 3 hours depending upon ambient conditions
UV resistance	Very good
Working temperature	< 35°C
System Structure	Minimum 2 layers
Packaging	Bucket 5kg /20 kg
Shelf life	12 months
Storage conditions	- In unopened, original packaging. - Dry, cool, shaded place (≤ 30°C)

V. APPLICATION:

Surface preparation:

- Surface must be clean, sound and properly cured. Remove all loose materials mechanically, preferably with a wire brush. Iron and steel surfaces should be free of rust.
- For surfaces where moss, algae or mold may appear, treat with appropriate chemicals after the initial cleaning process and then rinse.
- For concave surfaces, surfaces with bubbles, pores or large cracks must first be filled with mortar combined with **MA Latex P100**. This helps to apply **MA A100** coating continuously and best.
- All corners must be rounded with cement-sand mortar so that the waterproofing membrane can be applied and adhere best.
- For existing coated surfaces: In case of construction on existing coating, ensure that this coating is strong, conduct tests to ensure compatibility and maintain adhesion between the underlying layer and the substrate.

Application:

Mixing well again the product before use.

For Wall (Without Membrane):

- For porous substrate, apply first coat **MA A100** diluted with 10 % water as primer layer. Allow enough drying time (>2 hours, depending upon ambient conditions)
- Apply **MA A100** in two coats (~0.3 kg/m²/coat), by brush, roller, or spraying machine.

- Immediately apply a second coat (0.8 - 1 kg/m²) of **MA A100** while the first coat is still wet, to fully saturate the membrane from both sides.
- When dry, apply a final top coat (~0.3 kg/m²) to complete the application. Protect from rain until dry.

Cleaning:

Remove uncured surface **MA A100** with water. Cured material can only be removed mechanically.

Important notes:

- Two or more coats of coating are highly recommend than one thick coat.
- Ambient and surface temperatures must be below +35°C during application.
- Do not attempt application if rain is imminent.
- Avoid any ponding water on top of **MA A100**.
- Allow minimum 3 days curing time for cementitious substrates before apply **MA A100**.
- Moisture of concrete surface <17%.

VI. ECOLOGY, HEALTH AND SAFETY:

PPE: Wear suitable protective clothing, goggles and gloves during working with this product.

Ecology: Do not dispose into drains, water or soil.

Transportation: Non-hazardous.

Waste disposal: According to local law.

Refer to the Product Safety Data Sheet (MSDS) and other relevant safety documentation.

M-ATLANTIC




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