



MICSHIELD™



**Shieldguard
AW125**

One-component, Flexible, Acrylic, general purpose Waterproofing Membrane

Description

Shieldguard AW125 is single-component, water-based acrylic waterproofing membrane, designed to provide flexible and anti-carbonation waterproofing coating used on a various type of substrates.

Uses

- Provides concrete protection from water and carbonation.
- In commercial and residential construction.
- Bridge abutments.
- Roofs and walls.
- Multistory building and villas.
- Where exposed to high tough external conditions.

Characteristics / Advantages

- Ready to use, single component where no mixing is required.
 - Can be used on different substrates such as concrete, gypsum bord, asbestos etc.
 - Durable, color-stable and has an excellent weathering and UV resistance.
 - Applied over sloped roofs.
 - High elongation and tensile strength.
 - Good flexibility.
 - Anti-carbonation.
 - Excellent waterproofing characteristics.
 - Low dirt pickup.
- Standard Compliance

Standards Compliance

- ETAG001 Part 1: W1, P2, S4, TL2, TH2&3.

Typical Properties

Color	: White
Specific Gravity (@23 C)	: 1.35 ± 0.10 g/ml
Solid Content by Volume	: 50 ± 5%
Elongation at Break (ASTM D412) @ 7 days	: > 250%
Tensile Strength (ASTM D412) @ 7 days	: > 2 MPa
Water-vapor Transmission (ASTM E 96)	: ≥ 45 g/m ² .day
Solar Reflective Index (SRI)	: > 80
Wet Film Thickness	: 400 microns

Installation Instructions

1. Surface Preparation

Substrates must be sound and clean from dust, oils, dirt, grease, or any contaminants. Laitance shall be removed by mechanical means.

2. Application

Priming

Surfaces should be primed with Shield Prime at the rate of 0.2 l/m², according to the porosity of substrates.

In normal conditions, application should be carried out a minimum of three hours before applying **Shieldguard AW125** coating.

In a humid condition, 24 hours is required to ensure full solvent release.

Primer application is very important on weak substrates such as cement boards or non-structural repair mortar.



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Placing

Shieldguard AW125 can be applied using a stiff brush, airless spray or a roller at the rate of 0.40 L/m². While the primer is still tacky. Allow the first coat to cure for 6 – 12 hours depending on the ambient temperature, to ensure full curing before applying the second coat.

3. Cleaning

Tools should be cleaned immediately with clean water. Hardened material should be removed mechanically.

Packaging

Shieldguard AW125 is supplied in 25 Kg containers.

Consumption

Approximately 0.54 Kg per m² per 400 µm coat (wet film thickness) will produce:

22-25 m² /kit @ 2 coats application

15-17 m²/kit @ 3 coats application

Note: This coverage is theoretical and may vary due to site wastage, substrate roughness/porosity and absorption rate as well as actual joint depth/width.

Storage

Shieldguard AW125 has a shelf life of 12 months when stored in its original unopened packing in dry conditions. Shelf life may reduce if the recommended storage conditions changed.

Safety Instructions

Shieldguard AW125 may cause irritation to skin or eyes. Avoid contact with eyes or skin. If comes into contact with skin, wash immediately with water and soap. If comes into contact with eyes, wash immediately with water for several minutes and get medical advice or treatment if any emergency warning signs appear.

For further information, refer to the Material Safety Data Sheet.

This product is environmentally friendly

Manaseer Industrial Complex
Is a member of US green building



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