



### One-component, High Elastomeric, Acrylic, Premium-Grade Waterproofing Membrane

#### Description

**Shieldguard AW140** is single-component, water-based acrylic waterproofing membrane, designed to provide high flexible and anti-carbonation waterproofing coating used on a various type of substrates.

#### Uses

- Provides impervious barrier against weathering condition
- Waterproof
- 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.
- Provide impervious barrier against weathering exposure conditions.
- Excellent waterproofing characteristics.
- High durability
- High resistance to chloride and carbon ions intrusion.
- UV resistance.
- Applied over sloped or horizontal roofs
- High ultimate elongation and tensile strength.
- High flexibility.
- Low dirt pickup.

#### Standards Compliance

- ETAG001 Part : W2, P3, S4, TL2, TH3&4.

#### Typical Properties

<b>Color</b>	: White
<b>Specific Gravity (@23°C)</b>	: 1.4 ± 0.10 g/ml
<b>Solid Content by Volume</b>	: 60 ± 5%
<b>Elongation at Break (ASTM D412) @ 7 days</b>	: > 400%
<b>Tensile Strength (ASTM D412) @ 7 days</b>	: > 2 MPa
<b>Water-vapor Transmission (ASTM E 96)</b>	: ≥ 45 g/m <sup>2</sup> .day
<b>Solar Reflective Index (SRI)</b>	: > 80
<b>Wet Film Thickness</b>	: 500 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 **Shieldprime AWB** at the rate of 0.2 l/m<sup>2</sup>, according to the porosity of substrates.

In normal conditions, application should be carried out a minimum of three hours before applying **Shieldguard AW140** 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.

###### Placing

**Shieldguard AW140** can be applied using a stiff brush, airless spray, or a roller at the rate of 0.50 L/m<sup>2</sup>. 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.



**MICSHIELD™**



**Shieldguard AW140**

### 3. Cleaning

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

### Packaging

**Shieldguard AW140** is supplied in 25 Kg pail.

### Consumption

Approximately 0.7 Kg per m<sup>2</sup> per 500 µm coat (wet film thickness) will produce:

17-18 m<sup>2</sup> /kit @ 2 coats application

11-12 m<sup>2</sup> /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 AW140** 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 AW140** 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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