Shieldguard AW100

General Purpose, Single-component, Acrylic Waterproof Coating and Sealer

TECHNICAL DATA SHEET

Description

Shieldguard AW100 is a single-component, water-based acrylic waterproof coating and sealer, designed to provide flexible waterproof coating, and suitable for walls and roofs.

Uses

- Protects concrete structures from water.
- In commercial and residential construction structures.
- Roofs and walls.

Characteristics / Advantages

- Ready to use, single component, where no mixing is required.
- Can be used on different substrates such as concrete, cement-based plasters, blocks, tiles, etc.
- Can be applied by brush, roller, or sprayer.
- Good resistance to UV and weathering conditions.
- Good flexibility.
- Excellent waterproofing characteristics.
- Low dirt pickup.

Safety Instructions

Avoid contact with the eyes and skin. In case of direct contact with the skin, wash the affected area immediately with water for several minutes. If it comes into contact with the eyes, rinse immediately with lukewarm water for at least 15 minutes and get medical advice or treatment if any emergency warning signs appear. For further information, refer to the Material Safety Data Sheet.

Shelf Life and Storage

Shieldguard AW100 has a shelf life of 12 months when stored in its original unopened packaging in cool and dry conditions, protected from direct sunlight, heat, and moisture. Shelf life may be reduced if the recommended storage conditions are not followed.

Typical Properties

Color / Appearance	Clear Liquid
Specific Gravity (@ 23°C)	1.04 ± 0.02
Solid Content	31 ± 1% by weight
pH	8 – 9
Wet Film Thickness	(25 – 50) µm
Dry-to-Touch Time	30 – 60 minutes
Overcoating Time	2 – 3 hours
Full Cure*	7 days

Drying time, Overcoating Time, and Full Cure are dependent on the temperature, relative humidity, surface porosity, and application thickness.

Packaging

Shieldguard AW100 is supplied in 5-L and 16-L drums.

Application Instructions

1. Surface Preparation

The substrate must be sufficiently cured to avoid any shrinkage cracks, and clean from dust, oils, dirt, curing compounds, etc.

The substrate must be sloped, with sufficient drainage outlets to prevent standing water on the acrylic waterproofing layer.

Before starting the application, use a pressure washer to clean the substrate, using a non-filming detergent. The application temperature is 5 – 45 ℃.

2. Mixing

Shieldguard AW100 should be thoroughly stirred prior to use, to ensure a homogenous mixture.

When using airless spray application equipment or in hot dry conditions, the product can be thinned up to 5% by volume of clean, potable water.

3. Application

Shieldguard AW100 can be applied using a brush, airless sprayer, or roller.

Allow the first coat to cure for 2 – 3 hours depending on the ambient temperature, to ensure full curing before applying the second coat.

The second coat should be applied by cross-rolling perpendicular to the first coat to ensure complete coverage.

4. Cleaning

All mixing equipment and application tools should be cleaned immediately with clean water. Hardened material should be mechanically removed.

Limitations

- Do not apply the product if the ambient temperature is less than 5°C.
- **Shieldguard AW100** can be diluted with water up to 5%.
- Hot weather practices should be adopted during application and curing if the temperature is above 35°C. In hot conditions, store the material in a cool environment prior to use.

Technical Support

Refer to technical information, method statement, or contact technical support team for any inquiry.

Address: Manaseer Group, 8th Circle, King Abdullah II St. 302
P.O. Box 925988 Amman, 11110, Jordan
Phone +962 6 5800600
Fax. +962 6 5833890
Email: info.shield@manaseer-ic.com
Website: www.manaseergroup.com

LEGAL DISCLAIMER: All information provided, and recommendations made herein are intended to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before use in order to make their own final decision regarding suitability. We do not guarantee results, freedom from patent infringement, or suitability of resultant products for any suggested application with respect to the use of any formula or material described herein.