

Technical Data Sheet

SEALEX AW

Water Based Acrylic Sealer

Description:

SEALEX AW is a single component water based, clear, non-yellowing, semi-gloss, wet look, acrylic sealer. It is used for applications on new or existing concrete or masonry for protection against water penetration, chloride ion attack and weathering effects. It can also be applied to seal flooring, subject to light to medium foot traffic, such as stamped concrete, exposed aggregate, granite and interlock. SEALEX AW when cures it becomes a clear transparent medium gloss film with high abrasion and UV resistance features. It effectively the surface from moisture penetration, dirt and dust.

SEALEX AW can be applied to concrete structure, cement plasters, bricks, light weight concrete, porous natural stones, and natural stone facades

Uses:

SEALEX AW used as a water sealer at:

- Building facades, car parks, bridges.
- As a sealer on EIFS system.
- As a concrete sealer on driveways, swimming pools and loading docks.
- Natural stone facades and exposed aggregates for villas and buildings.
- Protection against oil, cleaning agent, salt effects
- Protection against weathering and rain.
- Sealer and top coat for stained and stamped concrete after full curing.
- Maintenance of facades without altering colors and features (but wet look medium sheen effect is expected).
- Primer for acrylic topping (anti-carbonation coatings or weather shield coatings) for porous surfaces.

Advantages:

- High adhesion and coverage performance.
- Prevents carbon dioxide and chlorine ingress.

- Environmentally friendly, water-based vapor barrier and protective sealer
- Resistant to UV, withstands sun light without yellowing.
- Integral film, does not deteriorate with freeze/thaw cycles
- Can be applied to colored concrete but mottling (streaking or spotting) may occur. Also wet look effect will show.
- Ease of application, applied manually or by a manual spray pump
- Improves the surface resistance against rain, sun, oil, air pollution, grease, salts.

Instructions for Use:

Surface Preparation:

The surface of the concrete or plaster must be clean, solid, free from grease, and totally dry to guarantee maximum penetration. Oil or grease stains must be completely removed. All necessary repairs or crack filling should be completed before start of application.

Surfaces with salty efflorescence must be cleaned mechanically or rinsed with water. Allow surface to totally dries, before proceeding with the application.

New concrete must be cured before applying SEALEX AW. All concrete curing compound must be mechanically removed, along with any foreign material.

Mixing:

Product is ready to use directly. It does not require thinning or other special preparations prior to application. It does, however, require thorough stirring before application and periodic agitation during prolonged applications.

Application:

SEALEX AW must penetrate deep enough for greatest protection and to prevent sticky surfaces. To determine the ability to surface penetrate, apply on a

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smaller area first and observe if any excess liquid residue on surface which indicates improper penetration. In spite that one coat application will be sufficient, it is recommended to apply two coats to guarantee complete deep protection especially for porous surfaces.

SEALEX AW is applied directly to the substrate with a brush, roller, or spray machine (which is recommended for large areas). The best application practice is to perform wet to wet application. This can be achieved by applying a sufficient coat of SEALEX AW to ensure proper coverage, then apply the second coat onto the first coat without waiting to dry (wet on wet).

Standards:

- ASTM C1315, type 1, class A
- EN 1504-2

TECHNICAL PROPERTIES	
Appearance	Milky Liquid
Density	1.00 ± 0.03 kg/lit
Volume Solids	>20%
Touch Dry at 25°C	60 minutes
Drying Time	4-8 hours
Chloride Permeability	NIL
Moisture Vapor Transmission (ASTM E-96)	17 perms
Chemical Resistance	
Sulfuric Acid (10%)	Pass
Alkali Sol. (pH 11.5)	Pass
Service Temperature	10°C to 60°C
VOC	<50 g/l
Flammability	Non-flammable

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Coverage:

SEALEX AW coverage rate 6.0-8.0 square meters per liter per coat dependent highly on surface type and porosity. Testing the consumption rate by a sample application is highly recommended.

*Coverage rate is an approximate value, and subject to actual site conditions.

Packaging:

SEALEX AW is supplied in 20 liter jenkins and 200 liters drums.

Storage Conditions:

Store in original packing in dry conditions away from direct sunlight.

Shelf Life:

SEALEX AW can be utilized within 12 months of production date if stored in proper conditions in an unopened original packing.

Cleaning:

Clean all tools with water prior to full drying of product. Hardened materials can only be removed mechanically.

Remarks:

- Good ventilation must be provided during application and curing.
- It should not be applied in outdoor applications during rainy weather or if rain is expected before complete curing can take place.
- Normally, the surface will become water resistant within 4 – 8 hours, but in cloudy, damp, cool or humid conditions, curing can take longer.
- Spray application should be performed only with low pressure spray units to prevent excessive misting of the product.
- Do not apply to new concrete surfaces before they have been allowed to cure for a minimum of 28 days.
- Do not apply on areas where negative hydrostatic pressure is possible.
- Not recommended for pre-sealed or dense surfaces such as marble, glazed tile or granite.

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Health and Safety:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapor or spray mist.

FIRST AID:

Eyes:	In the event of accidental splashes, flush with warm water and seek medical advice.
Skin:	Wash skin thoroughly with soap and water
Inhalation:	Remove to fresh air, keep patient rested
Ingestion:	Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to
SEALEX AW Material Safety Data Sheet.

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