

## E.M.SEAL-S

### SILANE-SILOXANE SOLVENT BASED HYDROPHOBIC WATER REPELLENT FOR CONCRETE AND MASONRY

#### DESCRIPTION

E.M.SEAL-S is a clear silane based water repellent sealer which upon application will penetrate into the substrate for long-term protection and provide water repellency by chemically reacting with the substrate. It has a micro particle size to achieve deep penetration inhibiting water absorption into the substrate. When cured it does not alter the appearance of surfaces and being non-film forming will allow the substrate to breathe. It may be used on old or new structures.

It meets the requirements of the following standard:

EN 1504-2, ASTM D5095, ASTM D6489, ASTM E514

#### FIELD OF APPLICATION

Application includes preventing water damage in buildings, parking decks, garages, bridge and coastal structures, including exposed reinforced concrete to attack by chloride ions and water intrusion.

#### ADVANTAGES

- Non film forming
- Reduces water and chloride intrusion
- Non-staining
- Ready to use & easy to apply
- Chemically resistant to fuels, atmospheric contaminants & oils
- Suitable for many substrates
- Allows water vapor to escape from structure
- Significantly reduces absorption of water whilst allowing the substrate to breathe
- Helps to prevent efflorescence
- UV stable to increase treatment life
- Very good penetration

#### SURFACE PREPARATION

Before using E.M.SEAL-S, it is important to ensure that the substrate to be treated must be clean surface-dry and free from dust and loose material. All contaminants such as oil, grease or any surface contamination must be removed to ensure adequate penetration when the product is applied.

Previously painted surfaces must have all of the existing coating removed to allow penetration into the surface. Where surfaces have been water blasted or washed down to remove contamination they must be allowed to dry out completely before application is commenced otherwise impregnation will not occur.

Cracked or damaged areas must be repaired and sealed prior to application of materials.



## APPLICATION

E.M. SEAL-S should be applied in 2 flood coats (wet on wet) at an application rate of 0.25 liters/m<sup>2</sup> per coat. It may be applied by roller, brush or portable knapsack spray. Do not contaminate with water. Before application, the substrate should be dry in order to achieve maximum penetration.

All equipment and containers must be clean and dry. After use they can be cleaned with any organic solvent alcohol or thinners.

## TECHNICAL PROPERTIES

Appearance	Clear liquid
Specific gravity (ready mixed)	Approx. 0.8 g /cm <sup>3</sup>
Consumption	Approx. 0.2 kg/m <sup>2</sup> per mm layer thickness

## PACKAGING

1 & 3.5 liter containers

## STORAGE & SHELF LIFE

The shelf life is 12 months if unopened, stored free from frost, moisture and direct sunlight. Keep in the temperature range between +10°C and +30°C.

## HEALTH & SAFETY

Note: Care should be taken not to use E.M. SEAL-S in enclosed spaces without ensuring adequate ventilation. This material is flammable. Do not smoke or allow use of naked flames when product is in use or drying.

E.M. SEAL-S is not recommended for surfaces subjected to hydrostatic pressure.

Caution: Do not allow water to contaminate equipment or material. Do not apply if temperature is below 5°C or over 35°C. MSDS is available at ABADGARAN website.

## TECHNICAL SERVICE

The ABADGARAN INTERNATIONAL GROUP Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

