



## Smart Eco Sealer

SPES-9102

5 Litres & 18 Litres



### Description

**Smart Eco Sealer** is a low odour and zero VOC water-based wall sealer which is specially formulated for exterior and interior use. It is easy to apply and able to provides better build and adhesion to the substrate. This sealer can be applied on the exterior bare concrete, plastered walls and asbestos to protect the subsequent coats against the effects of alkalinity and moisture from the substrate. Besides, it also provides the finishing coats with excellent efflorescence resistance.

### Usage

Smart Eco Sealer is painted as a primer to protect the subsequent coats against the effect of alkalinity and moisture from the substrate.

### Composition

Pigment	:	Titanium dioxide and mineral extenders.
Binder	:	Acrylic- Styrene
Volume Solid	:	43%
Diluent	:	Water.

### Properties

Finishing	:	Matt
Colour	:	White
Theoretical Coverage	:	10 m <sup>2</sup> /Litre (actual coverage dependent on substrate condition.)
Drying Time	:	*Touch dry – 30 minutes. *Hard dry – 1 hour. *Dependent on temperature and humidity.
Recoating Interval	:	1 to 2 hours.

### Application Method

Brush	:	For normal use thinning is usually not necessary.
Roller	:	For normal use thinning is usually not necessary. To assist in application, can thin with 5% of water.
Conventional Air Spray	:	Thin with 5% by volume with water and adjust to requirement.
Airless Spray	:	For normal use thinning is usually not necessary. To assist in application, can thin with 5% of water.

## Surface Preparation

### General/ New Surface

Surface must be sound, clean, dry and free from all defective or poorly adhering material, dirt, grease and wax. (To have a better finish, rub down surface using suitable abrasive and dust off before painting Smart Eco Sealer). Allow all surfaces to dry completely prior to painting. Avoid painting when the moisture content and alkalinity of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 16% measured by protimeter and alkalinity of the walls to be below pH9.)

### Previously Painted

Remove all loose, defective and unstable paint film or powdery residues by thoroughly brushing and scrapping. High pressure water jet is highly recommended. Treat area affected by mould, lichens, algae and moss with fungicidal wash. Allow substrate to dry completely prior to painting. Avoid painting when the moisture content is >16% and pH>9. Make good minor defects and cracks with suitable filler before painting with Smart Eco Sealer.

## Composition / Information on Ingredients

Component	% by wt	% by wt
Emulsion Polymer	< 52%	-
Pigment	< 20%	-
Additive	< 3%	-
Water	< 15%	-

## Hazard Identification

Not classified

## First Aid Measures

### EMERGENCY AND FIRST AID PROCEDURES :

If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. Keep individual calm. Call a physician. If eye contact occurs, flush with water for at least 15 minutes and call a physician. For skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Drink a glass of water and consult physician IMMEDIATELY.

## Fire Fighting Measures

Specific Hazards	: Not Combustible
Extinguishing Media	: Foam, CO2, Dry Powder, sand
*Flash Point	: NA
*Explosive Limits (% By Volume)	: NA
LEL UEL	NA
Fire Fighting Procedure Other Information	Respiratory protection is required for fire fighting personnel. Do not breathe fumes. Stay upwind, if possible.

## Accidental Release Measures

Personal precautions	: Use appropriate safety equipment. For additional information, refer to Section 8, Personal Protection information.
Environmental precautions	: Prevent the product from escape into soil, watercourses or drainage systems.
Methods for cleaning up	: Eliminate source of ignition. Contain area and keep public away. Recover free liquid by pumping or scooping with shovel into separate container. Use sawdust, sand, earth or other absorbent to prevent material flow. Prevent liquid from entering sewers, watercourse or low areas. Dispose in accordance with local regulation.

## Handling and storage

Keep container closed when not in use. Do not handle or store near open flame, heat, sparks, or strong oxidants. Adequate ventilation required. Avoid inhalation of vapours and contact with skin and eyes. Do not keep product for a long time (>2 years). Keep good house-keeping.

## Exposure Controls / Personal Protection

Ventilation	:	Sufficient ventilation should be provided during application.
Respiratory Protection	:	Use approved respiratory protection such as air supplied mask if used in enclosed spaces.
Eye Protection	:	Chemical splash-proof goggles or face shield
Skin Protection	:	Chemically resistant gloves

## Physical and Chemical Properties

Appearance	:	Viscous liquid with white colour
Solid	:	<50%
Specific Gravity @ 25oc	:	1.25
*boiling Point	:	100 °C
*melting Point	:	0 °C
*vapour Pressure (Air = 1)	:	>1
*vapour Density (101.3 Kpa / Air = 1)	:	>1
Evaporation Rate (N – Butyl Ether = 1)	:	<1
Solubility	:	Miscible with water
Odour	:	Mild

\*properties of water

## Stability and Reactivity

Stability	:	Heat, spark, open flame and static charge build-up
Incompatibility (Materials to avoid)	:	Strong oxidizing agents
Decomposition Products	:	Carbon monoxide and carbon dioxide

## Toxicological Information

Skin Contact	:	Prolonged and repeated contact may cause slight skin irritation.
Eye Contact	:	Prolonged and repeated contact may cause slight temporary eye irritation.
Inhalation	:	Prolonged and repeated may cause respiratory irritation. Signs and symptoms of excessive exposure may include headache, or vomiting.

Effects Of Over Exposure : High vapour and spray mist can be irritating to the eyes, skin and the respiratory tract. Excessive inhalation can cause headache, nausea, dizziness or irritation to the respiratory tract and may have other central nervous system effects. Ingestion can cause lungs, kidney and/or liver damage. Overexposure can cause irreversible eye burns and damage. Skin and respiratory sensitization and allergic reaction such as rash, hives or asthma can occur.

### Ecological Information

No ecological studies have been carried out on this product.

### Disposal Considerations

If possible recover the product, otherwise dispose by incinerate or land fill must be in compliance with all local laws and regulation.

### Transport information

ROAD (ADR) : Not Regulated

RAIL (RID) : Not Regulated

AIR (ICAO/IATA) : Not Regulated

SEA (IMO/IMDG) : Not Regulated

### Regulatory Information

Regulatory information in country or region with regards to this product should be observed.

### Other Information

All information appearing herein is based on our present state of our knowledge. However the information in this MSDS may not be valid for such material used in combination with any other materials or in any process. No representation, warranty or guarantee is made as to its accuracy, reliability or completeness. We do not accept liability for any loss or damage that may occur from the use of this information.

### Company Identification

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