

Description: Shield I.T. is a solvent modified silane siloxane penetrating sealer.

Intended use: Shield I.T. is specifically formulated to provide long lasting protection to low porosity substrates such as marble, granite, natural stone and is also suitable for masonry substrates such as brick, concrete, pavers and sandstone. It creates an oil and water repelling surface that prevents staining, chewing gum adhesion, efflorescence, corrosion of steel reinforcement, spalling and de-icing salt attack.

- Features & Benefits:**
- Helps reduce carbon footprint by minimising the need for maintenance cleaning.
 - Deeply penetrates, therefore the substrate would have to erode to reduce the effectiveness of Shield I.T.
 - Does not affect the non-slip properties of the surface.
 - Does not affect the texture or overall appearance of the substrate
 - Allows the substrate to breathe thus allowing vapour and gas transmission through the treated surface.
 - UV stable, suitable for indoor and outdoor application.
 - Long life - Between 10-15 years protection can be expected and is readily retreated.
 - Excellent chloride ion salt resistance.

Limitations: Test a small inconspicuous area first. Do not apply to a wet surface or when rain is predicted. Concrete must be cured for 28 days. Will not seal cracks.

Sizes: 5L, 20L, 25L, 205L, 1000L.

Dilution: Ready to use concentration.

Coverage:

Substrate	M2/Litre
Marble, Granite, Natural Stone	15-20
Concrete Pavers, Concrete	6-8
Clay Pavers	12-15
Sandstone	6-8

Drying time: Will dry clear and transparent in 1-2 hours @ 25°C.
Cure time 24hrs @ 25°C.

Clean up: Clean equipment and overspray with Xylene or mineral turpentine.

Typical Physical Properties:

Appearance & Odour	Clear liquid. Mild solvent odour.
Melting/Softening Point	Approx. 0°C.
Boiling Point & Vapour Pressure	Approx. 63°C at 100kPa.
Flashpoint	24°C
Specific Gravity	0.86kg/L
Corrosiveness	Not corrosive
Shelf Life	3 years after manufacture & 12 months after opening

Identification:

UN No.	1993
Dangerous Goods Class	3 Flammable Liquid
Hazchem Code	3[Y]
Sub Risk Class	None Allocated
Packaging Group	III
Poison Schedule	S5

Application Instructions:**Preparation:**

New concrete must be cured for 28 days prior to application. Surfaces must be clean, dry, and free of contaminants including grease, oil and release agents. High pressure cold water washing may be necessary to remove contaminants. Chemical cleaning or hot water with high pressure may be performed. Thoroughly rinse the chemical cleaner from the substrate prior to application.

Installation:

Shake before use. Do not apply if rain is expected within 6 hours. Apply with low pressure spray equipment, roller or brush. Use a fan spray nozzle for greatest efficiency. On vertical surfaces apply the material starting at the bottom of the wall. Work your way up the wall so that Shield I.T. will run down the surface 6-8" below the spray pattern. For porous vertical applications, apply a second application while the first is still wet. On horizontal surfaces, Shield I.T. should be applied to completely flood the surface. Spread puddles with a brush or broom. Keep traffic off of the surface for at least 4 hours or preferably until the surface is dry.

Safety:

Flammable - Keep away from naked flame. No Smoking.
Harmful by inhalation and in contact with skin. Irritating to eyes.
Use with adequate ventilation and use appropriate protective safety equipment such as gloves, goggles, protective clothing and respiratory equipment.

Keep out of reach of children.

In case of ingestion call a physician, do not induce vomiting.
CONSULT THE MSDS FOR SAFETY, STORAGE AND FIRST AID INSTRUCTIONS BEFORE USING THIS PRODUCT.

Tests:

Property	Test	Result
Chloride ion Reduction	NCHRP Report 244	77% Reduction
Vapour Transmission	NCHRP Report 244	Excellent. No moisture retained after 21 days.
Water Penetration	ASTM D-6489-99	85% Avg. Reduction Penetration

Warranty:

Cyndan Chemicals warrants that for a period of 24 months from the date of manufacture or for the duration of the published shelf life, whichever is less, that at the time of shipment, the product is free of manufacturing defects and conforms to published specifications in force on the date of acceptance by "the company" of the order. Cyndan Chemicals shall only be held liable under this warranty if the material has been stored, used and applied in accordance with Cyndan's instructions in the products technical data sheet, limiting liability to the replacement product cost only. We accept no responsibility for loss or injury due to the incorrect handling or improper use of the product.

