



MICRO INVISO SHIELD

Technical Data Sheet

09/09/09

Description: Water-based penetrating protective shield. Does not change the appearance of the substrate.

Intended use: Micro Inviso Shield provides long lasting protection for masonry substrates such as brick, concrete and stone to protect against water penetration, staining, chewing gum adhesion, efflorescence, corrosion of steel reinforcement, spalling and de-icing salt attack.

- Features & Benefits:**
- Water based emulsion that penetrates deep into the substrate
 - Helps reduce carbon footprint by minimising the need for maintenance cleaning
 - Does not change the appearance of the substrate
 - Slip resistance of the surface is improved as aquaplaning is minimised
 - Chemically bonds to the surface
 - Allows for vapour and gas transmission through the treated surface
 - Permanent, does not UV degrade
 - Long life - Between 10-15 years protection can be expected and is readily retreated.
 - VOC compliant

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. Cover and protect all glass, metal & vegetation from overspray.

Sizes: 1L, 5L, 20L, 205L, 1000L.

Dilution: Ready to use concentration

Coverage:

Substrate	M2/Litre
Clay brick, Exposed Aggregate, Pavers	7-9
Stucco, Rough Stone	6-8
Concrete	6-8
Precast Concrete	8-10
Besser Block	6-8

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

Clean up: Clean equipment and overspray with soapy water.

Typical Physical Properties:

Appearance & Odour	Milky white liquid. Very mild odour.
Melting/Softening Point	Approx. 0°C.
Boiling Point & Vapour Pressure	Approx. 100°C at 100kPa.
Volatile Materials	Water Component
Flashpoint	Does not burn
Specific Gravity	No data.
Solubility in Water	Completely soluble
Corrosiveness	Not corrosive
Shelf Life	3 years after manufacture date.

Identification:

UN No.	None Allocated
Dangerous Goods Class	None Allocated
Hazchem Code	None Allocated
Sub Risk Class	None Allocated
Packaging Group	None Allocated
Poison Schedule	Not Scheduled

Application Instructions:**Preparation:**

New concrete must be cured for 28 days prior to application. Surfaces must be clean, dry, and free of grease and oil. 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. Substrate surface is adequately clean when Micro Inviso Shield is immediately absorbed by the substrate.

Installation:

Stir before use. Do not apply if rain is expected within 24 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 Micro Inviso Shield 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, Micro Inviso Shield 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.

Warning:

Use with adequate ventilation.

Keep out of reach of children.

Do not take internally.

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.

Test Results:

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

Awards & References:

- THE BIG 5 (Dubai) Product of the Year 2008 Finalist
- VOC compliant
- See www.cyndan.com.au for testimonials.

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.

