

Pen Shield Ultra

Solvent based high performance penetrating sealer for masonry surfaces

DESCRIPTION

Pen Shield Ultra is a high performance, SILANE based, invisible impregnating sealer that provides maximum protection to natural stones, concrete pavers, tiles, sandstone, limestone, brick and concrete from the damage caused **through water borne and oil based contaminants**.

Pen Shield Ultra provides long lasting protection while not altering the look from the original product. A test sample should always be prepared and allowed to cure prior to proceeding.

PRODUCT FEATURES & BENEFITS

- Excellent penetration
- Used for internal and external application
- Minimises efflorescence
- Repels water, oil and organic stains
- UV stable
- Reduces mould growth
- Allows trapped moisture to escape
- Doesn't alter the texture or look of the original surface
- Suitable for external use
- Excellent chloride ion salt resistance

TYPICAL APPLICATIONS

Pen Shield Ultra can be used in a variety of applications, alfresco dining (internal & external), swimming pool surrounds, urban landscaping, building facades, exterior concrete and paving in multi-level residential buildings or shopping centres, domestic patios and entertaining areas.

APPLICATION RATES

Total application rate are typically between 3 - 40m² per litre depending on the substrate. (Contact manufacturer for more details).

PACK SIZES

Pen Shield Ultra is available in 200ltr, 20ltr and 5ltr containers.

PERFORMANCE PROPERTIES

| | |
|------------------|---|
| COLOUR | CLEAR |
| FINISH | INVISIBLE PENETRATING FILM |
| VOLUME SOLIDS | APPROX 40% |
| SPECIFIC GRAVITY | 0.80KG/LITRE |
| RECOAT TIME | 15 – 30 MINUTES AT 25°C,50%RH |
| POT LIFE | INDEFINITE (DRIES BY SOLVENT EVAPORATION) |
| FULL CURE | 24 HOURS @ 20°C |

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SURFACE PREPARATION

The concrete substrate must be cured in accordance with relevant standards; the concrete must be cured for a minimum of 14 days prior to the application of Pen Shield Ultra.

All concrete must be clean, dry and free of all contaminants prior to the application of Pen Shield Ultra; this includes curing compounds and release agents.

APPLICATION OF PRODUCT

- Apply the product to the substrate using a low-pressure sprayer, brush or lamb's wool applicator or similar, ensuring the entire surface is wetted, ensure no product comes in contact with surrounding areas.
- Allow sufficient time for penetration (20-45 minutes), ensure no ponding of sealer occurs, remove all excess material after 30 minutes using an absorbent white cloth.
- Any excess material left on the surface may lead to discolouration of the substrate.
- When the surface becomes touch dry, after a minimum of 1 hour, apply a second coat of Pen Shield Ultra as described above. For best results leave 24 hours between coats.

PRECAUTIONS

- Do not apply to damp surfaces.
- Protect surrounding areas from over spray, buildings, plants, drains etc.
- Wear suitable protective wear, solvent resistant gloves, protective clothing, safety goggles and organic vapour respirator.
- Protect sealed surface from moisture for a minimum of 6 hours.
- Avoid applying Pen Shield Ultra in windy conditions.
- Do not apply Pen Shield Ultra over previously coated surfaces.
- Apply Pen Shield Ultra between 10°C - 35°C.

STORAGE

- Keep Pen Shield Ultra stored in a dry area, away from direct sunlight & frost.
- Store between 10°C & 30°C.
- Pen Shield Ultra has a shelf life of 12 months in an unopened container.
- Ensure partly used drums are correctly sealed.

FIRE

Pen Shield Ultra is flammable.

SAFETY PRECAUTIONS

- Wear appropriate protective equipment, including clothing, gloves, appropriate respiratory mask and goggles.
- If poisoning occurs, contact doctor or Poisons Information Centre.
- If contact with skin occurs, remove contaminated clothing and thoroughly wash skin.
- If swallowed do not induce vomiting, give a glass of water.
- If in eyes, hold eyes open and flood with water for at least 15 minutes then see doctor immediately.
- For further information refer to the relevant Material Safety Data Sheet.

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IMPORTANT INFORMATION

The information and recommendations relating to Pen Shield Ultra are given based on current knowledge and experience. Due to variances in material substrates and site conditions no warranties implied by law or, fit to purpose of the product can be implied. We accept no responsibility for loss or injury due to the incorrect handling or improper use of the product, limiting the cost of our liability to the replacement product cost only. Always refer to current Product Technical Data Sheets.

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