

Pen Shield Ultra WB

Water based high performance impregnating sealer for masonry surfaces

DESCRIPTION

Pen Shield Ultra WB is an environmentally friendly high performance, water based impregnating sealer that provides long lasting protection to concrete pavers, sandstone, limestone and all other concrete surfaces from the damage caused through water borne and oil based contaminants. This product is not recommended for natural stone surfaces.

Pen Shield Ultra WB may alter the look from the original product.

A test sample should always be prepared and allowed to cure prior to proceeding.

PRODUCT FEATURES & BENEFITS

- Excellent resistance to water borne and oil based staining
- Environmentally friendly, Meets “Green Star Building” Code
- Excellent penetration
- Reduces the adhesion of chewing gum to concrete surfaces
- UV stable
- Minimises efflorescence
- Reduces mould growth
- Allows trapped moisture to escape
- Excellent chloride ion salt resistance
- Non-flammable
- Cost effective

TYPICAL APPLICATIONS

Pen Shield Ultra WB can be used in a variety of applications, including alfresco dining, swimming pool surrounds, urban landscaping, patios and entertaining areas. Ideal for external concrete surfaces in multi-residential and shopping centre high usage developments.

APPLICATION RATES

Total application rates are typically between 3-5m² per litre depending on the porosity of the concrete.

(Contact manufacturer for more details).

VOC RATING

TESTED UNDER THE REQUIREMENTS OF:

IEQ 13 VOLATILE ORGANIC COMPOUNDS “GREEN STAR TECHNICAL MANUAL”.

TVOC's calculated as the sum total of the VOC's of each individual raw material component.

The total VOC is 54.85 grams per litre of ready to use product.

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PERFORMANCE PROPERTIES

COLOUR	WHITE LIQUID
FINISH	COLOUR ENHANCING PENETRATING FILM
VOLUME SOLIDS	APPROX 8%
SPECIFIC GRAVITY	0.80KG/LITRE
RECOAT TIME	2 HOURS AT 25°C
POT LIFE	INDEFINITE (DRIES BY WATER EVAPORATION)
FULL CURE	7 DAYS @ 20°C 50%RH

PACK SIZES

Pen Shield Ultra WB is available in 200ltr, 15ltr and 5ltr containers.

SURFACE PREPARATION

The concrete substrate must be cured in accordance with relevant standards; the concrete must be a cured for a minimum of 3 days prior to the application of Pen Shield Ultra WB. All concrete must be clean, dry and free of all contaminants prior to the application of Pen Shield Ultra WB; this includes curing compounds and release agents.

APPLICATION OF PRODUCT

- Always test the product on the substrate and allow to cure to ensure the desired result will be achieved.
- Apply product straight from the container (no dilution required).
- Surface must be free of all contaminants prior to application of sealer.
- The surface should be dampened (not wet) prior to the application of the sealer.
- Apply the product to the substrate using a low pressure sprayer; then use a broom or micro fibre mop to remove any ponding or excess material, ensure the entire surface has been evenly coated, make sure no product comes in contact with surrounding areas.
- Allow sufficient time for penetration (approx 20 minutes - 1 hour), ensure no ponding of sealer occurs, remove all excess material after 1 hour with a broom, mop or rag.
- Any excess material left on the surface may lead to discolouration of the substrate.
- When the surface becomes touch dry, after a minimum of 20 minutes - 1 hour apply a second coat of Pen Shield Ultra WB as described in above steps.
- Apply the second coat at right angles to the first.
- Clean all tools with water.
- Pen Shield Ultra WB can be applied to damp surfaces.

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PRECAUTIONS

- Not to be applied over previously coated surfaces.
- Drying times will be extended in cold conditions (product cures through evaporation of water).
- Protect surrounding areas from overspray, buildings, plants, drains etc.
- Wear suitable protective wear, respirator, gloves, protective clothing, safety goggles.
- Protect sealed surface from moisture for a minimum of 6 hours.
- Avoid applying Pen Shield Ultra WB in windy conditions.

STORAGE

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

FIRE

Pen Shield Ultra WB is non-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.

IMPORTANT INFORMATION

The information and recommendations relating to Pen Shield Ultra WB 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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