

Pen Shield WB

Water based high performance impregnating sealer for masonry surfaces

DESCRIPTION

Pen Shield WB is an environmentally friendly high performance, water based impregnating sealer that provides long lasting protection to natural stone, concrete pavers, sandstone, limestone and concrete from the damage caused through water borne contaminants. Pen Shield should not be use on non-porous substrates.

Pen Shield WB will not 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 staining
- Environmentally friendly, Meets “Green Star Building” Code
- Excellent penetration
- UV stable
- Minimises efflorescence
- Reduces mould growth
- Allows trapped moisture to escape
- Excellent chloride ion salt resistance
- Non-flammable
- Cost effective

TYPICAL APPLICATIONS

Pen Shied WB can be used in a variety of applications, including swimming pool surrounds, urban landscaping, patios, walkways and entertaining areas.

APPLICATION RATES

Total application rates are typically between 3-5m² per litre for concrete surfaces and 8-15m² per litre for natural stone surfaces depending on the substrates porosity (Contact manufacturer for more details).

VOC RATING

TESTED UNDER THE REQUIREMENTS OF:

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

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

VOC total of 40.36 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 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 WB. All concrete must be clean, dry and free of all contaminants prior to the application of Pen Shield 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 desire result is achieved. **Apply product** straight from the container, no dilution is required. The surface must be free of all contaminants prior to the application of the sealer. The surface may be damp but not wet prior to application. Apply the product **using a low-pressure sprayer**, then remove any ponding using a broom, **or** micro fibre mop **or similar**. During application ensure the entire surface has been evenly coated, then **allowing sufficient time** for the surface to become damp not dry (approx 20 minutes to 1 hour), apply a second coat of sealer. **Ensure no ponding of sealer occurs** and no product comes in contact with surrounding areas. Once sufficient time has elapsed for the second application to penetrate (approx 20minutes - 1 hour depending on conditions) remove all excess material with a broom, mop or clean white rag as any material left on the surface may lead to discolouration.

PRECAUTIONS

- Do not apply Pen Shield WB over previously coated surfaces.
- Drying times will be extended in cold conditions (product cures through evaporation of water).
- Pen Shield WB can be applied to damp surfaces.
- Protect surrounding areas from over spray, buildings, plants, drains etc.
- Wear suitable protective equipment, wear respirator, gloves, protective clothing, safety goggles.
- Protect sealed surface from moisture for a minimum of 6 hours.
- Avoid applying Pen Shield WB in windy conditions.
- Apply Pen Shield WB between 10°C - 35°C.

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STORAGE

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

FIRE

Pen Shield 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 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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