

# 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 concrete pavers, sandstone, limestone and concrete from the damage caused through water borne contaminants. Pen Shield should not be use on non-porous substrates including natural stones.

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 3-5m<sup>2</sup> per litre for concrete surfaces depending on the substrates porosity (Contact manufacturer for more details).

## VOC RATING

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

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

## 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 including previous coatings prior to the application of the sealer.
- The surface may be damp but not wet prior to application of the sealer.
- Apply the product to the substrate using a low-pressure sprayer, ensuring the entire surface has been evenly coated.
- Once the Pen Shield WB has had time to penetrated sufficiently (approx 10 -20 minutes) use a broom or micro fibre mop to spread/remove any ponding or excess material. **Do not** stand in any wet ponding sealer during this process as this may cause staining to occur.
- For optimal results coverage rates should be strictly adhered to.
- Ensure no product comes in contact with surrounding areas.
- Any material left on the surface will 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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