

## Vapour - Stop CONCRETE SLAB SEALER

### Introduction

Vapour-Stop is a 2 component epoxy coating designed to work as a water vapour barrier prior to the installation of timber flooring. Vapour-Stop vastly reduces the ability of moisture to migrate from the concrete below into the timber above, thereby reducing the likelihood of flooring failure through dimensional changes in the wood.

### Key Benefits

- Extremely low moisture permeability.
- Fast curing.
- Bonds strongly to concrete.
- Allows UNI-STICK to chemically bond for secure flooring installation.

### Physical Properties

Colour.....	Resin / Yellow + Hardener / Blue Mixed=Green.
Mix Ratio.....	4 Part A to 1 Part B by volume
Consistency.....	Low viscosity liquid
Working Time.....	Approximately 20 minutes.
Cure Time.....	Can be worked on after 12 hours.
Full Cure.....	7 days
Coverage.....	20 m <sup>2</sup> per 5 litre pack. (4 m <sup>2</sup> per litre)
Application .....	6mm mohair roller.
Clean-Up.....	Handley Brush Cleaner.
Health and Safety.....	Consult Material Safety Data Sheet

### NOTE:

VAPOUR-STOP is only to be used by experienced flooring contractors who are familiar with the use of epoxies as moisture vapour barriers. Attention should be drawn to the directions for use and the Material Safety Data Sheet. Both of these documents are available on request.

### Lagler Australia

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### Directions for Use

#### **Surface Preparation**

Ensure concrete is clean, dry, free of oils, waxes, old finishes etc. Moisture content should be below 5.5% (as determined by an electrical resistance meter) or 70% RH (as determined by 16 hour hygrometer test). Ensure concrete surface is free of efflorescence and is not chalky, flaky or dusty. Ensure concrete is level and the slab is in accordance with relevant compliance codes. Diamond grinding may be required to ensure these criteria are met. New slabs should be cured for more than 28 days, have a moisture content below 5.5% (or 70% RH) and again should comply with the relevant codes and brought to an acceptable standard.

Vapour-Stop can not be expected to prevent eventual damage brought about through hydrostatic pressure. This should be eliminated through acceptable drainage and ventilation controls. If in doubt, contact your local representative.

#### **Number of Coats**

Moisture Content below 5.5% or 70% RH, one coat as per recommended coverage below. Above 5.5% or 70% RH, minimum of 2 coats. Thorough testing should then be conducted to ensure moisture has been contained as per 16 hour hygrometer test. If in any doubt, please contact your local representative.

#### **Application**

Mark out the area to be coated into 20 m<sup>2</sup> sections. Shake both components well and pour into the mixing bucket supplied. Stir thoroughly for at least one minute and the contents are a consistent green. After mixing, contents should be poured onto the floor quickly to prolong working time. One 5Ltr unit will cover 20m<sup>2</sup> and this is the rate at which it should be applied to ensure correct film build (approx. 4m<sup>2</sup> per ltr.) Use a 6 mm roller sleeve. Clean up with Handley Brush Cleaner.

#### **Curing**

Vapour stop will cure in 8-12 hours depending on conditions. Re-coating should be within 24 hours. Thorough sanding between coats with 150# paper is required if the recoating interval is longer than this. Vapour-Stop will be ready for timber overlayment once cured. This should be done within 48 hours if using Unistick. Again, sanding with 150# paper will be required if longer than this. Consult Handle Industries Limited if in any doubt.

#### **Health and Safety**

Vapour-Stop is classified as a hazardous substance. In particular, the hardener component is a corrosive. Please read and understand the Material Safety Data Sheet.