



VAPOUR STOP

PRODUCT DATA SHEET

Introduction

Vapour Stop is a two-component epoxy coating designed to work as a water vapour barrier prior to installation of timber flooring. Vapour Stop vastly reduces the ability of moisture to migrate from concrete below into 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 and FLEX-SET to chemically bond for secure flooring installation.

Physical Properties

Colour	Resin Yellow/Hardener Blue mixed = Green
Mix Ratio	4 parts "A" to 1 part "B" by volume (must be accurate)
Consistency	Low viscosity liquid
Working Time	Approximately 20 minutes
Temperature	DO NOT use the product if temperature is likely to fall under 10°C
Cure Time	Can be laid on after 12 hours
Coverage	20 sqm per five litre pack (4 sqm per litre)
Application	6mm mohair roller
Clean Up	Handley Brush Cleaner
Health and Safety	Consult Material Safety Data Sheet

NOTE

If the Product **DOES NOT** dry glossy, please call Handley Industries.

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 by phoning Handley Industries.

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 available from Handley Industries Ltd by phoning 0800-2HANDLY or outside NZ +64 9 444-4558.



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DIRECTIONS FOR USE

Surface Preparation

Ensure concrete is clean, free of surface moisture, oils, waxes, efflorescence, old finishes etc 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 (significantly longer in cold climates), be dimensionally stable, and per **BRANDZ BULLETIN 644** have a moisture content of below 70RH% due to the hygroscopic nature of timber. Vapour Stop cannot be expected to prevent eventual damage brought about through hydrostatic pressure or capillary action. These issues should be eliminated through acceptable drainage and ventilation controls. If in doubt, contact your local Handley Industries representative.

Number of Coats

Two coats as per recommended coverage below. Thorough testing should be conducted after application of Vapour Stop to ensure moisture has been contained as per 16-hour hygrometer test to achieve 70%RH or below. To measure the relative humidity above the slab, the hydrometer is sealed to the concrete and left for at least 16 hours. It measures the relative humidity of the air in the sealed chamber over the slab, which in turn provides a reading of the moisture vapour released from the slab. If in any doubt, please contact your local Handley Industries representative.

Application

Mark out area to be coated into 20 sqm sections. Shake both components well and pour into a suitable mixing vessel. 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 5 litre unit will cover 20sqm and this is the rate at which it should be applied to ensure correct film build (approximately 4sqm per litre). Use a 6mm roller sleeve. Clean up with Handley Brush Cleaner.

Curing

Vapour Stop will cure in 8-12 hours depending on conditions. Recoating should be within 24 hours. Thorough sanding between coats with 120 grit 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 120 grit paper will be required if longer than this. Consult Handley Industries if an any doubt.

Underfloor Heating

Turn off three days prior to laying the timber floor. Three days post laying, the underfloor heating system can be turned on. Gradually increase the temperature no more than 1 degree centigrade per day. The slab temperature should not exceed 23 degrees.