

	VITAL TECHNICAL SDN. BHD.		 Certificate MY12/04182	 Certificate MY13/04310
	Technical Data Sheet			
	VT-507 FloorSeal			

Issuance date: 03/03/2020

Revision date: 17/08/2021

Revision No.: 21-03

VT-507 FloorSeal

Two-component Epoxy Moisture Barrier

Appearance

White (Resin)
Dark grey (Hardener)

Colour

Grey (after mix)

Packaging

4L set (1:1)
(2L resin, 2L hardener)

Quantity / Carton

3 sets /carton

Shelf life

24 months

Storage

Provided the product is stored dry and cool in air-tight containers, the storage stability will be at least 24 months (before mixing) from day of delivery.

Application temperature

10 – 30 °C

DESCRIPTION



FloorSeal is a solvent-free, two-component epoxy moisture barrier that is specially formulated to form a protective coating against both moisture and vapour on flooring foundations. It has excellent adhesion and prepares the surface for subsequent flooring adhesives.

Technical Data	Part	Resin	Hardener
	Specific gravity	: 1.13	1.16
	Colour	: White	Dark grey
	After mix colour	: Grey	
	Mixing ratio	: 1:1	
	Working time	: Approx. 30 minutes	
	Touch dry	: 4 hours at 25 °C	
	Recoat time	: Minimum 4 hours at 25 °C	
	Cure time	: Minimum 24 hours at 25 °C	
	Application temperature	: 10 – 30 °C	
	Water vapour transmission rate (ASTM E96/E96M-16)	: 0.082 g / (m ² .h)	
	Wet film thickness	: 300 microns	
	Coverage	: Approx. 3m ² per litre (Single layer application)	
	VOC Content	: <50 g/L (calculated)	

FEATURES

- 1:1 mixing ratio
- Excellent water vapour retardant (ASTM E96/E96M-16)
- Solvent-free
- Low odour
- Non-flammable
- Bonds to most substrates

APPLICATION

- Suitable as a moisture barrier layer for various applications such as timber, vinyl flooring, concrete, fibre cement, stone, masonry, structural plywood, brick, etc.
- Promotes adhesion for porous substrates such as concrete.

PREPARATION

- Concrete must be at least 28 days old and clean; free of dirt, grease, oil, or standing water.
- Moisture content in slab must be less than 5.5%.
- Repair any cracks if any, before application




APPLICATION DIRECTION

Mixing:

1. Use clean containers for mixing. Mix materials with mechanical mixing equipment.
2. Stir both components individually well before mixing.
3. Mix only the amount of material that can be applied within limited "open time". Do not re-work set or hardened material; remove such material from the site.
4. Scrape the sides of the container and continue to mix for a few minutes.

Applying:

1. Apply the mixture using either a brush or roller with the coverage of approximately 3m² per litre.
2. Regularly check the wet film to ensure a consistent wet film thickness of 300 microns.
3. Allow the base coat to cure for a minimum of 4 hours. Make sure the first layer is dry before applying the second coat at right angles of the first coat.
4. Very porous concrete may require 3 layers of coating for maximum effectiveness.
5. Allow the final coat to dry for at least 24 hours before applying other adhesives or treatment chemicals. The flooring installation must be done within 24 to 72 hours from the last coat.

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FloorSeal

CLEAN UP

- Clean tools immediately with water after use.
- Cured adhesive can only be removed mechanically.

LIMITATIONS

Not recommended for applications below 10 °C or above 85% humidity. FloorSeal is not a trafficable surface and must be covered with conventional floor or wall tiles. FloorSeal may turn yellowish when exposed to sunlight or UV light over time.

CAUTION

Resin

Causes skin irritation. May cause allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands, forearms, and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: Get medical advice/attention. Collect spillage.

Hardener

Causes severe skin burns and eye damage. May cause an allergic skin reaction. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. IF SWALLOWED: rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Specific treatment (see supplemental first aid instruction on this label).

LEGAL NOTES

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.