

VAPOR iTe ^{+Plus}

ADVANCED MOISTURE & VAPOUR BARRIER

DESCRIPTION:

VAPORiTe+PLUS® is a deep penetrating water-based two part Epoxy Sealer which is designed for the creation of a moisture or vapour barrier on cementitious screeds or concrete surface beds and substrates where excess screed moisture poses a problem for the application or installation of moisture sensitive finishes such as vinyl, rubber, linoleum, textile and wood flooring. **VAPORiTe+PLUS®** is suitable for use on porous surface beds and suspended slabs where the residual moisture levels exceed the permissible levels as stipulated by the relevant floor covering manufacturer. This maximum is typically 3 to 3,5% Moisture Content (MC). **VAPORiTe+PLUS®** will withstand levels far in excess of this, provided good adhesion is experienced between the substrate and the moisture barrier.

The product is designed to allow very low levels of vapour or moisture to permeate through the membrane so that the subsequent layers comprising of the flooring, adhesive, self-levelling compound, ie the complete system, remain unaffected by the rising moisture. Residual moisture in the substrate which emanates from the concrete drying process can be dealt with successfully provided the sub-surface moisture is below 6%, and that the substrates are not exposed to excessive hydro static forces.

VAPORiTe+PLUS® is packed in a dual pack comprising a 5 Litre Bucket containing 4,5Kg of the base and activator. The complete content of the activator must be thoroughly mixed into the base with an electric stirrer for four minutes to ensure thorough mixing. Once mixed, the pot life is approximately 1.5 hours and the coating takes 2 hours to cure. (The shelf life is approximately > 6 months un-opened).



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Endorsed by:

Belgotex®



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WARRANTY:

VAPORiTe +PLUS® is guaranteed to be free of manufacturing defect. **iTe PRODUCTS®** further warrants that if **VAPORiTe +PLUS®** is applied in accordance with the relevant method statement issued for the specific project, by an approved applicator, the system is guaranteed for the life of the floor covering.

For warranty purposes this translates as suspended slabs, and contact slabs where sound damp proof membranes and /or good drainage has been installed prior to the casting of the concrete slabs. Although applications with higher moisture levels have been successfully completed, the extent of hydrostatic pressure is generally not measurable on sites, and warranties for these applications where hydrostatic pressure is a factor, are issued once a test area has been successfully undertaken.

When encountering contact slabs with questionable hydrostatic pressure issues, or residual screed moisture exceeds 6% as measured, a test area should be applied, and if no signs of delamination are experienced, application can proceed with confidence.

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PLANNING:

VAPORiTe +PLUS® yields a coverage of approximately 4m² per kg, depending on screed surface conditions. Two coats are required to ensure that no pin holes or gaps are present in the finished coating. Each coat needs approximately 2 hours to cure, so for most effective time utilization, we recommend that the first coat is applied early morning, say 08h00 and the second once the first has dried completely. Once the second coat has cured fully, apply a thin coat of **iTe SLURRY®** with a pink lamb's wool roller and allow to dry before application of the **LEVELiTe®**.

PREPARATION:

The substrate surface must be free of contamination by oils, grease, paint or any other contaminants. The area must be thoroughly swept or vacuumed to remove loose particles or dust. Grinding of the substrate surface is recommended to improve penetration.

APPLICATION:

VAPORiTe +PLUS® can be applied by steel plaster trowel, mohair paint roller or brush.

When applying by roller or brush, we recommend that the first coat is applied directionally, say in a South/North direction, and the second at ninety degrees, say East/West.

Thoroughly mix the two components, for 4 minutes with a paddle mixer, and apply with the trowel, roller or brush as per above. The surface must be thoroughly coated to ensure a defect free finish. Allow the first coat to dry completely before applying the second coat at right angles to the first and thereafter allowing it to dry completely.

When used as part of a self-levelling compound system underneath **LEVELiTe® F10, F30 or F50**, the cured second coat must be coated with a thin application of **iTe SLURRY®**. This will provide the textured surface required to promote adhesion between the barrier and the levelling compound.

Tools and equipment must be washed in cold water immediately after use.

PRECAUTIONS:

This product is non-hazardous.

Do NOT ingest. If swallowed accidentally, do not induce vomiting. Drink approximately 1 litre of water and seek medical assistance immediately. The same applies to eye or skin contact, if irritation is experienced.

Wear protective clothing to minimise long term exposure.

**Effective
rising damp
retarder and
floor covering
protector.**

