Vespox® EVP

Product description

Vespox® EVT is a 2-component, water-based semi-gloss epoxy paint, for treating concrete surfaces that are subject to high wear. The paint can be applied to old as well as new surfaces.

Vespox® EVT does not contain harmful solvents and is virtually odorless.

Applications

Vespox® EVT is specially designed for painting and protecting mineral materials such as concrete, masonry, plaster, fibre-cement plates, stone and the like. Applicable areas of use are floors, walls and ceilings in buildings where there is often an aggressive atmosphere, chemicals and water spray, such as high-pressure cleaning. Vespox® EVT can advantageously be applied to pre-treated metal surfaces such as machines, pipes, etc., where an extra resilient paint film is needed.

Vespox® EVT can also be used on organic surfaces, such as wood fibre boards, plasterboard and on, for example, glass fabric in wet rooms, where greater water-resistance is required

Properties

Vespox® EVT epoxy paint combines high abrasion resistance with excellent adhesion. Used for painting concrete, on previously painted surfaces, wood and in general, where nice surfaces with good durability are required. However, the substrate must be absorbent. Vespox® EVT is a diffusion open coating and can therefore be used in, for example, basements.

Instructions of use

Pre-treatment of the substrate:

The substrate must be firm, clean and free of grease. On newly cast concrete, it is important that the sludge layer is removed before applying the coat.

Etch the surface with e.g. a 10% hydrochloric acid solution, then rinse thoroughly with water and allow to dry. Alternatively, grind lightly by shot blasting and vacuum thoroughly.

On previously coated surfaces it is important to remove all grease, oil and loose paint.

Mixing:

Stir Comp. B manually or with a mixing-drill until it is uniform. Add the comp. A (epoxy resin) carefully over comp. B and mix thoroughly using a slow-running drill.

Do not mix more material than can be used within appr. 30 minutes at 20°C (60% r.h.).

If splitting the pack in smaller amounts, make sure it is done correctly relative to the mixing ratio.

(See Technical Data).

CE

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EN 13813 SR

Synthetic resin screed for use internally in buildings

Essential characteristics	Performance
Fire behaviour	Bfl-s1
Release of corrosive substances	NPD
Water permeability	NPD
Mechanical resistance	NPD
Wear resistance	NPD
Bond strength	NPD
Impact resistance	NPD
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

NPD = No performance determined

Application procedure

Vespox® EVT can be applied either with brush or roller. It is recommended to apply in two layers.
1) First layer – Primer:
Add max. 5% water immediately after mixing to make the product thinner and improve its penetration capacity onto the substrate. Expected consumption: 100 g/m^2
2) Second layer – Topcoat:
Allow for the first layer to be touch-dry (from 8 to 24 hours depending on ambient T and % r.h. conditions). Apply preferably undiluted Vespox® EVT to achieve best results. Add water (up to max. 5%) to the mix only if it is too heavy to apply. Expected consumption: 200 g/m^2

Important notice:
Coating with Vespox® EVT in rooms with high relative humidity can give a surface with reduced gloss. Make sure there´s always good ventilation in the coated area to reduce minimize this risk.

Precautions of use:
Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Dispose of contents in accordance with local regulations.

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.
Wear eye protection/face protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
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/doctor.
If skin irritation or rash occurs: Get medical advice/attention.

Technical data			
Colour	See colour card		
Gloss	50-60		
Mix ratio	by weight	A : B	1 : 4
Density (mixed)	at 20 °C	g/cm^3	1.25
Viscosity (mixed)	at 20 °C	mPa-s	1900-2100
Solid contents		% epoxy	approx. 60
Pot-life	at 20 °C	min.	90-120
Product temperature	min.	°C	+15
	max.	°C	+25
Substrate / Room temperature	min.	°C	+10
	max.	°C	+25
Substrate preconditions			
Pull-off adhesion	min.	N/mm^2	1.5
Moisture (CM equipment)	max.	%	6
Relative air humidity	max.	% r.h.	65
Curing time	touch dry at 20 °C	hours	8
	Re-coating after	hours	24
Full cure	at 20 °C	days	5-7
Chemical resistance	See chemical resistance list		

Whether manufacturer, architect, planner, craftsman or Auditor. The DGNB-Navigator is a comfortable tool that supports everybody involved in the product selection process.
This unique online platform establishes transparency and offers fast, precise and free useful information of the wanted product and its characteristics – for example, information on environmental impact, calculation of life-cycle-costs, energy demand or emission behavior.

This product is registered on the DGNB Database with code number NT9RPK and can be evaluated according to EPD-FEI-20150300-IBG1-EN.

Available upon request.