

OVS 512



FOR REPAIRING AND REFINING SCREED SURFACES.

OVS 512

STABILIZING AND HIGH PENETRATION PRIMING.

1. FUNCTION

Special dispersion-based surface sealer with very good stabilising properties. Excellent properties for reducing/preventing dust formation on directly used mineral screed surfaces.

2. APPLICATION RANGE

High-penetration repair system for stabilising screed surfaces. OVS 512 is suitable for the transparent sealing of mineral substrates (screeds, concrete) exposed to light mechanical and chemical stress indoors. Suitable applications are for example basements in living areas, archives, hallways and industrial floor surfaces where a closed pore finish is required and maintenance cleaning must be facilitated.

Product properties:

- Good chemical and mechanical resistance
- Moisture-vapour permeable
- Quick drying and fast curing
- Solvent-free

3. TECHNICAL DATA

OVS 512 is compatible with CEM I and CEM II cements in accordance with DIN EN 197. Modified synthetic resin dispersion.

Changes in transparency and/or minor chalking in case of exposure to UV light and condensation water are possible. Organic dyestuffs (e.g. in coffee, red wine or vegetable leaves and needles) as well as various chemicals (e.g. disinfectants, acids, etc.) may result in changes in colour. Abrasion may lead to scratching of the surface. The functionality of the product is not affected as long as the sealing film is not damaged down to the screed material.

Depending on the actual stress and wear of the coating a fresh coat must be applied regularly.

See also section 4 - INSTRUCTIONS FOR USE.

Characteristics			
Colour	White	Processing temperature rel. humidity	Above +5 up to +30 °C max. 75 %
State	Liquid	Shelf life/storage	Approx. 12 months - store protected from sunlight and above freezing point
Density (at +20 °C)	1.01	Delivery form	Disposable container PVC canister: 20 kg net

4. INSTRUCTIONS FOR USE

Important note prior to use

Workability of the screed to be treated must be obtained before applying OVS 512. Otherwise the contained moisture may lead to light and dark shades. The substrates to be treated must above all be clean, crack-free, firm, dry and free of release agents.

DIN EN 13813 “Screed material and floor screeds – Screed materials – Properties and requirements” specifies the requirements on screed materials used for floors indoors. Synthetic resin coatings and sealers are also covered by this standard.

Substrate preparation

- Sand the surfaces.
- All chafed patches must be sanded down to the solid grain. Then clean the prepared surfaces with a high-performance industrial vacuum cleaner.

Application

- New application rollers must be made lint-free before use. To do so, the roller must be either washed thoroughly using a little washing-up liquid or rolled over a silicone-free adhesive surface several times.
- Shake the container well before use.
- Highly absorptive substrates must be pre-primed with diluted OVS 512. Mix OVS 512 with a maximum of 20% water.
- Apply the product to the whole of the screed surface with a lamb’s wool roller (medium pile length). If absorptive areas, recognisable by too rapid brightening after application, still occur despite pre-priming, prime these areas again before the primer has dried. Avoid puddle formation. Use when laying tile floors in accordance with DIN 181571. Design and site preparation in accordance with DIN 18560.
- Two undiluted applications are required when using the product as surface sealer on its own. In both cases, priming with diluted OVS 512 must be taken into consideration, depending on the condition of the substrate.
- Drying time after priming at +20 °C and 60% rel. air humidity: approx. 5 hours.
Drying time after each application at +20 °C and 60% rel. air humidity: approx. 3 hours.
Drying times > 24 hours between individual applications must be avoided.
Fully resistant to mechanical stress in respect of material-specific properties after a drying time of at least 72 hours.
- It is recommended to apply the material using cross-coat technique. This ensures that enough material is applied and prevents bare patches.

Proceed as follows when applying renovation coatings.

- Sand and vacuum-clean the surfaces thoroughly.
- Then wipe down the surfaces with a damp mop and allow to dry.
- Depending on the degree of wear, apply one or two liberal undiluted coats of OVS 512.
- Seal open containers airtight immediately after use and use the contents quickly.
- Do not transfer residues back to the product container, as all soiling affects the quality of the unused material.
- Used utensils can be cleaned with water.
- Remove OVS stains from structural components (e.g. door frames) immediately with a damp, clean cloth.
- Thoroughly dampen dried material stains on objects and absorb with a clean cloth using a neutral household detergent if required.



As the product is solvent-free within the meaning of the TRGS (Technical Rules for Hazardous Substances) 610, no particular safety precautions are required for the protection of buildings or for personal protection.

5. CONSUMPTION

100–150 ml per m² depending on the surface quality/roughness of the substrate.

6. GENERAL

Stabilisation of screed surfaces which have been damaged due to overhydration and high air pore volume in screed mortars. Insufficient structural strengths, e.g. due to an insufficient binder content, cannot be compensated.

7. DISPOSAL

Do not allow to enter the aquatic environment, sewage system or soil. Recycle completely empty containers (non-drip and open).

All the information on this product given above is based on extensive practical experience and tests carried out by PCT Performance Chemicals GmbH. However, it is not possible to take all construction site conditions into account and to give suitable instructions for use in each case. It is therefore recommended to verify the applicability, appropriateness and practicability of this information and the intended measures by means of individual tests. PCT assumes warranty for the correctness of this product information and the described properties as well as for the effect of the product. PCT reserves the right to change the product specifications. If the site is or has been supervised by PCT the user is under no obligation to check applicability and appropriateness.



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