



TECHNICAL DATA SHEET

F&V TROWEL HARD

Concrete Densifier and Hardener for Cementitious Surfaces during Trowelling Process

F&V Trowel Hard is a reactive Mixture of silicate and Polymeres. The product is used as densifier and hardener during the trowelling process of the surface. By using F&V Trowel Hard during the trowelling process, the concrete will be prepared much faster for a following grinding and polishing treatment. The concrete surface will reach a higher hardness in shorter time and thus shortens the lead time between trowelling and polishing. Further, the product enhances the trowelling itself.



F&V TROWEL HARD

Concrete densifier and hardener for cementitious surfaces during Trowelling Process

Description

F&V Trowel Hard is a reactive Mixture of silicate and Polymers. The product is used as densifier and hardener during the trowelling process of the surface.

Properties

F&V Trowel Hard reacts chemically with the concrete surface. Improved abrasion resistance, dust-free, impermeable and more resistance on the surface you get after the treatment with F&V Trowel Hard.

F&V Trowel Hard improves the density and hardness of concrete and reduces also the penetration of liquids and dirt.

By using F&V Trowel Hard during the trowelling process, the concrete will be prepared much faster for a following grinding and polishing treatment. The concrete surface will reach a higher hardness in shorter time and thus shortens the lead time between trowelling and polishing. Further, the product enhances the trowelling itself.

Basically, the product causes no or only slight color enhancement. The water absorption is reduced, the surface diffusion remains open.

Application

F&V Trowel Hard is applicable to all calcareous floor coverings, which are being troweled by machine, mainly concrete floors and industrial screeds. Applications are e.g. industrial floors, market halls, logistic centers, supermarkets and in private homes, indoor and outdoor use.

Note: Onto polymer modified concrete floors the product can be conditionally used, because of limited reaction with the floor.

Processing

F&V Trowel Hard is applied during the troweling process (by machine). Apply the product evenly with an airless sprayer and a suitable nozzle (0,2 - 0,3 is recommended). Do not apply in surplus to avoid too high moisture. General consumption guidelines are to be found at "Productiveness".

Note: Adjacent surfaces must be protected against splashes. Remove surplus material film before drying up. Clean equipment with water.

Processing temperature

As the F&V Trowel Hard is applied during the troweling process on fresh concrete, please refer to norms and guidelines according to production of concrete floors in general.

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Drying time

There is no drying time for F&V Trowel Hard itself to consider. Also here the norms and guidelines - just as for "Processing Temperature" - for the floor production itself should be considered. The time frame for starting the grinding and polishing process is depending on the circumstances, i.e temperature and floor material characteristics.

Productiveness

Depending on the absorption of the surface the values to be assumed are about 10-20 m² / liter. A second application halves the coverage.

Storage

Protect from frost. Shelf-life in cool, dry and closed container is about 12 months. Opened cans should be worked up as soon as possible.

Environmental Protection

Not empty into drains. WGK 1 (low water endangering).

Waste codes/waste designations according to EWC/AVV. 06 02 05 wastes from MFSU of other coatings (including ceramic materials): Wastes not otherwise specified. Dispose of waste according to applicable legislation. Completely emptied packages can be recycled.

Security

F&V Trowel Hard is harmless to health after drying up. Observance of special security measures if the product will be use in a spraying application. Safety data sheet available for professional user on request.

Ingredients: Silicon dioxide, amorphous, and Polymers.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]. Causes serious eye irritation. Do not breathe dust/fume/gas/ mist/vapours/ spray. Wear protective gloves/protective clothing/eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Identification marking for transportation:

PU	PU marking	Transport documents
a.	n.a.	n.a.

Packaging Unit (PU)

a) 20 liter PE canister

Other PUs on request

This information should only be a non-binding advice. The use of the products is based on local circumstances and on the surface itself. If there is no experience, and in cases of doubt, we recommend to try the product on a inconspicuous spot.

