VitrA Fix FLOOR BS

Cement based, basalt aggregate floor hardener

FLOOR GROUP

DESCRIPTION

One-component, ready-to-use concrete surface hardener modified with cement, corundum and basalt aggregates and additives to increase surface abrasion resistance on industrial floors exposed to heavy loads and heavy vehicle traffic material.

AREAS OF USE

- Industrial floors exposed to heavy vehicle-load traffic
- Warehouse-warehouse, workshop, car service-washing stations

FEATURES

Material structure	: Powder
Color	: Grey, red, green
Density	: 1.7 ± 0.05 gr/cm³

TECHNICAL PERFORMANCE*

Taber Abrasion Resistance	: < 3000 mg (EN ISO 5470-1)
Impact Resistance	: Class I (EN ISO 6272-1)
Temperature resistance	: -30 °C - +70 °C

*These values are obtained as a result of laboratory tests and are the performance values of the finished applications after 28 days. Values may vary due to differences in the construction site environment.

REFERENCE STANDARD

- Tested according to TS EN 1504-2 standard

CONSUMPTION

- 4-6 kg/m² for 1 mm thickness

PACKAGING

In 25 kg kraft bags

STORAGE AND SHELF LIFE

- Product storage conditions must be complied with and products must not be stored in damp and waterlogged warehouses. Warehouse ambient temperature should be above +5 °C.
- Shelf life is 1 year provided that the packages are kept in closed and moisture-free environments. Production date and charge number are indicated on the packaging.
- When not in use, the packages should be tightly closed to prevent air and water.

- Possibility to obtain a smooth and homogeneous surface
- Increasing resistance to impacts
- Wear prevention against mechanical loads
- Delaying surface dusting
- Suitable for heavy vehicle-load traffic

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APPLICATION FEATURES

Application temperature   : +5 °C - +35 °C
Walkability   : 24 hours

SURFACE PREPARATION

■ Depending on the quality of the concrete, the entire surface should be homogeneous
■ The thickness of the applied concrete must be at least 15 cm.
■ The bearing concrete of the area to be applied must be at least C25 class.
■ The surface of the fresh concrete to be applied should not be troweled with a steel trowel or tray trowel, it should be smoothed with a wooden trowel.

APPLICATION SURFACES

Indoor and outdoor floors; - Workshops, - Warehouses, - Parking lots, - Service stations, - Industrial building floors, - Residential buildings, - Workplaces etc.

APPLICATION

■ Wait until the load-bearing concrete is walkable. The appropriate time is when the concrete has hardened enough to leave a footprint 0.5-1.5 cm deep.
■ The material is distributed over the entire surface by sprinkling method. The material should not be left in heaps on the surface, and homogeneous distribution should be ensured as much as possible. In addition, in order to prevent the aggregates in the product from decomposing, it should not be sprinkled at long distances. This process can be done manually or with special spreading equipment.
■ The sprinkled material should be expected to change color by absorbing the water of the concrete.
■ The homogeneously sprinkled and discolored material is compacted with a tray trowel to ensure its integration with the concrete.
■ Then switch to knife burnishing and continue this process until the desired gloss is obtained.

PRECAUTIONS

■ Absolutely no water should be thrown on the material during application.
■ Do not apply on surfaces that are frozen and in danger of frost.
■ Do not apply on overheated surfaces, in very sunny and windy weather.
■ Care should be taken to use correct timing and finishing techniques.

SAFETY INSTRUCTIONS

■ Avoid contact with skin and eyes as it contains cement. Wash contact areas with plenty of water.
■ It is recommended to use rubber gloves during product application.
■ The product should not be inhaled directly. Dust mask should be used when necessary.
■ For more detailed information, please read the Material Safety Data Sheet (MSDS).

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Note: Technical values and application instructions are the results of our experience and tests carried out in accordance with international standards, valid at ambient conditions of 23 °C and 50% relative humidity.