

TEC FLOOR HD

Surface Hardener in Powder Form

TEC Floor HD is a ready-to-use surface hardener for concrete made with selected aggregates (Silica, Basalt), cement, and additives. It is an economical floor hardener recommended for internal and external use. With its high abrasion resistance and strength, TEC Floor HD is a heavy-duty, non-dusting concrete surface hardener particularly recommended for heavy traffic floors.

SCOPE OF USE

- Parking areas
- Auto show rooms
- Warehouses
- Industrial floors
- Corridors
- Lobbies & waiting rooms

TECHNICAL PROPERTIES

COLOR	Grey
GRAIN SIZE	< 4 mm
POWDER DENSITY	1.4 kg/m ³
ABRASION RESISTANCE	0.99 mm/1000 rev
COMPRESSIVE STRENGTH (ASTM C 109)	7 days: 45 MPa
FLEXURAL STRENGTH (ASTM C 580)	28 days: 7 N/mm ²
AVERAGE CONSUMPTION (MODERATE / HEAVY TRAFFIC)	4-5 kg/m ² / 5-7 kg/m ²

APPLICATION GUIDE

1. Substrate Preparation

For a good aspect, the fresh concrete must not contain too much air or water. Joints should be created regularly to prevent cracks, usually every 25 m². Before applying TEC Floor HD, the concrete should be leveled and excess water removed.

2. Product Preparation & Application

When the concrete is prepared, spread TEC Floor HD regularly on the surface, keeping the quantity per m² consistent. Spread two-thirds of the needed quantity, wait until it gets wet in contact with the concrete, then spread the remaining one-third. Immediately use a power float or trowel to obtain the requested smooth finish. Protect the surface from sunshine and wind during the following days after application.

PACKAGING & STORAGE

- **Packaging:** Original reference: 25 kg.
- **Storage Conditions:** Store under cover, in dry conditions, away from humidity, and protected from extreme temperatures and direct sunlight.
- **Shelf Life:** 12 months after manufacturing date in original, unopened packaging.

HEALTH, SAFETY & CAUTIONS

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin.

- **Protective Gear:** Apply in a well-ventilated area and wear protective gear for hands, eyes, and respiratory system; avoid dust inhaling.
- **Skin & Eye Contact:** Splashes on the skin should be washed away with soap and water. In case of contact with eyes, wash thoroughly with clean water.
- **Ingestion:** If swallowed, do not induce vomiting. Seek medical attention.

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