



TYL®-Floor HD

Floor Hardener and Dust proofer for concrete Surfaces

202402

DESCRIPTION

TYL®-Floor HD is a sodium silicate colorless low viscosity liquid used for dustproofing and hardening the surface of concrete floors. The reactive solution penetrates deeply into the concrete to react with the free lime forming hard insoluble crystals; these crystals bind the cement and aggregate particles together. The result is a hard impermeable non dusting concrete surface.

USES

- Used to improve the surface of concrete floors.
- Provides long lasting, hard wearing floor surfaces with reduced maintenance requirements.
- Transformer Room
- Factories, agriculture buildings and Warehouses.
- Industrial units for maintenance, storage or pre-fabrication.
- Showrooms & electrical workshops.

ADVANTAGES

- Non dusting.
- Permanent penetrating treatment.
- Suitable for new and old concrete.
- Simple and easy to use, no skilled labour.
- Single component.
- Hardening action improves abrasion resistance.



PHYSICAL PROPERTIES

Property	Typical Results
VOC Content:	0 g/L
Appearance:	Colorless
Specific Gravity @25°C :	~1.11

APPLICATION

The floor to be treated must be free from dust, loosely adhered material and plaster and cement droppings, grease oil and pains etc. In addition, the floor surface should be dry. Stir the TYL®-Floor HD before it is used. Then spread evenly over the surface to be treated. Work in small areas initially until experience is gained on work rates. Spread the TYL®-Floor HD evenly, using a broom or squeegee, to ensure maximum coverage and penetration. Any TYL®-Floor HD not absorbed should be removed.

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A second treatment should be carried out after 24 hours. Consumption rates will fall with subsequent treatments. Some very porous floors may require three treatments. The floor should be washed down with clean water 48 hours after sealing and before use. The floor may be lightly trafficked during sealing. Clean all equipment immediately after use in water.

Watch points

- New concrete should be allowed to fully cure prior to treatment (minimum 21 days).
- On old floors, ensure the floor is structurally sound before application. TYL®-Floor HD will not be suitable on weak or friable floors.
- Power floated and dense floors may not absorb TYL®-Floor HD as readily as the carried out.
- Carry out trials on coloured concrete to ensure the finish achieved is acceptable.

COVERAGE

Coverage rates vary according to the density, porosity and texture of the floor and cementitious surfaces to be treated. Typically, coverage rates of between 4-5m²/ liter can be expected. Two or more coats may be required according to the porosity and age of the concrete.

PACKAGING

210 and 25 liter per drum

STORAGE

It has a minimum shelf life of 12 months provide it is stored under cover, out of direct sunlight.

HEALTH & SAFETY PRECAUTIONS

Does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical attention immediately do not induce vomiting.

