



TECHNICAL DATA SHEET

Version : 002

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CONSOL LIQUID FLOOR HARDENER

Surface Hardener, Stain Resistance, Curing and Sealing Compound for Concrete Treatment

DESCRIPTION

CONSOL LIQUID FLOOR HARDENER solution to cure, harden, stain resistance and mechanical abrasive protection, is a deep penetrating silicate solution for sealing and dust-proofing powdery or friable concrete and concrete block surfaces.

RECOMMENDED FOR

CONSOL LIQUID FLOOR HARDENER improved resistance to water and oil-based stains and surface strengthening without appearance change. Initial curing compound in order to limit surface drying and cracking, used for horizontal old or new concrete surfaces, where a hard surface with light to moderate abrasion resistance is required e.g. warehouses, industrial plants, stores, shopping malls, parking structures, service stations, hangars etc.

BENEFITS

- Ready to use
- Helps control dusting
- Fast drying and Easy to apply
- Improved chemical and abrasion resistance compared to untreated concrete
- Reduced dusting of concrete floors
- Improves cleanability
- Non-yellowing
- Good penetration
- Good abrasion resistance
- Solvent free
- Colourless and odourless
- Environmentally friendly
- Oil-resistant and hydrophobic

PRIMARY APPLICATION

- Interior or exterior
- Warehouse floor
- Manufacturing plants
- Distribution centres
- Polished concrete
- Commercial and retail floors

FEATURE

- Reduces porosity and increases durability of the concrete surface
- Complies with VOC regulations across North America
- Equipment can be cleaned with water
- Minimizes tire marks and enables them to be more easily removed

- Treated surfaces have increased liquid repellency
- Can be applied to new or existing concrete

TECHNICAL INFORMATION

VOC Content

≤ 5 g/L

Drying Time at 21°C

Light Foot Traffic : 4 to 6 hours

Wheel Traffic : 24 hours

Abrasion/Wear Resistance

ASTM C 779

Coefficient of Friction

ASTM F 1679 Dry: 0.81 Wet: 0.72

Liquid Repellency

RILEM Method 11.4

Water absorbed in 24 hours

Untreated concrete: 5 mL

Chemical Resistance

For a complete chemical resistance chart, contact Euclid Chemical

TECHNICAL DATA

Dosage

0.15 - 0.25 l/m² (4 - 7 m²/l coat).

This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc.

Typical Dosage

1.2 kg/l (at +20°C)

Packaging

18.9 liters

Form

Liquid

Colour

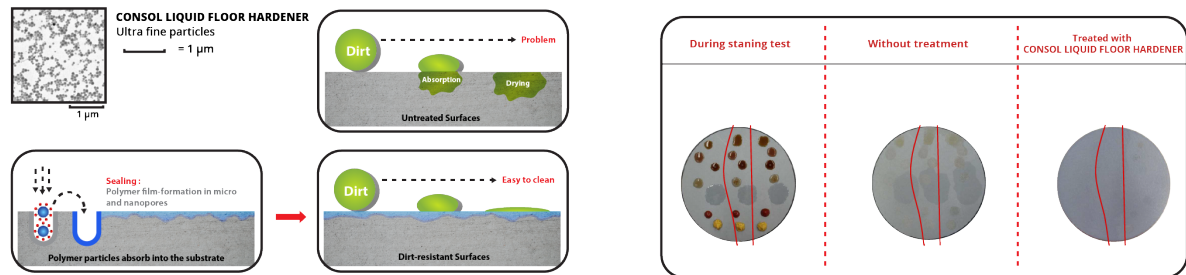
Clear Liquid

Shelf Life

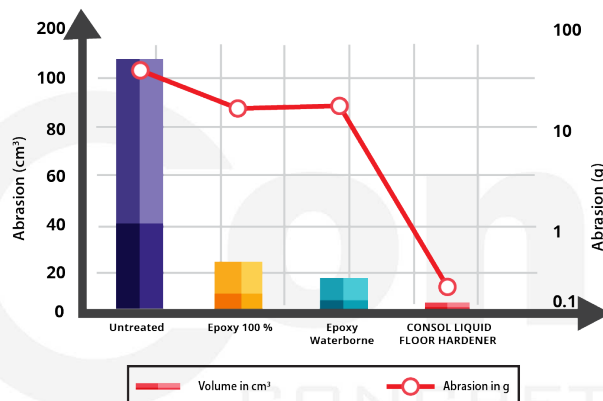
1 year if stored in unopened original container in dry, cool place.



CONSOL LIQUID FLOOR HARDENER Keep dirt out and strengthens the surface.



Treatment of concrete surfaces with CONSOL LIQUID FLOOR HARDENER significantly improves the abrasion resistance.



INSTRUCTION FOR USE

Mixing

Product is supplied ready to use.

Application

Hardened Concrete

Apply in a continuous film using a high volume low pressure spray unit. To ensure maximum penetration, scrub material into the surface with a soft bristle broom or floor-scrubbing machine (min. 30 minutes), until material begins to gel and become slippery. Wet the material lightly with a water spray and rework it into the surface for another 10 - 20 minutes. After this process, rinse the floor and remove any excess material using a squeegee, wet vacuum or mop. On porous, rough-textured or broom-finished surfaces, a second coat may be required.

PRECAUTIONS

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.



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