

Strufloor® S70

Concrete Surface Liquid Hardener & Densifier

Uses

Strufloor S70 is recommended for use wherever hardened, dustproofed, and improved chemical and abrasion resistant surfaces are required. Ideal applications include floors in industrial plants and warehouses, storage silos, sewage plants, chemical processing facilities, refineries, and heavy pedestrian floor traffic areas, such as civic centers, sports arenas, stadiums, hospitals, airports, and museums. Strufloor S70 can successfully be used in conjunction with shake-on hardeners.

Advantages

- Penetrates deeply into concrete to densify and harden surfaces to help prevent entry of moisture and other foreign matter
- Dustproofs and improves chemical, petroleum, and abrasion resistance of treated surfaces
- Provides a permanent, attractive sheen with the ability to polish
- Protects against scratching or peeling
- Provides tough, protected surface that won't after-yellow, discolor or show pedestrian or vehicular traffic wear marks
- Improves light reflectance
- Ready to use from container and easy to apply
- VOC content is 0 g/L.

Description

Strufloor S70 concrete densifier and chemical hardener compound is a ready-to-use, colorless liquid, formulated with chemically reactive raw materials to harden and dustproof concrete. When properly applied, Strufloor S70 will offer substantial improvement in abrasion and chemical resistance and will significantly improve the durability of the concrete surface when compared to untreated concrete. As Strufloor S70 is applied and penetrates into the concrete surface, a chemical reaction takes place, producing a byproduct that fills in the pores of the concrete. This process produces a substantially

denser concrete surface with enhanced durability. In addition to the densifying and hardening action, Strufloor S70 also solidifies the concrete, eliminating dusting and pitting.

Properties

Appearance	Colorless liquid
Specific Gravity	Approx. 1.1 gr/cm ³ @ 20°C

Instructions for use

Preparation:

- Fresh Concrete

On newly placed concrete, Strufloor S70 can be applied, as you would a cure, after final troweling.

- Existing (Old) Concrete

Surface should be clean and structurally sound. Remove all residues, curing compounds, oils, sealers, contaminants and laitance before applying Strufloor S70. Fill and repair all holes, cracks and deteriorated areas that have been removed to sound concrete.

Application:

- Fresh Concrete

Apply undiluted Strufloor S70 at approximately 5 m²/liter using a low-pressure sprayer or by spreading evenly with a soft-bristled broom. Do not allow material to puddle on the surface. No further application steps are required for fresh concrete.

- Existing (Old) Concrete

Saturate the surface with undiluted Strufloor S70 by sprayer, squeegee or broom. Keep the surface wet with Strufloor S70 for a minimum of 30 minutes. (A range of 30-60 minutes may be required depending on temperature and conditions.) NOTE: Pay particular attention to porous and/or dry areas. These areas must be kept wet at all times with Strufloor S70. Once the surface begins to gel and becomes slippery, immediately spray the surface with a light water mist. Scrub the surface with a broom or mechanical scrubber to increase the penetration of the Strufloor S70. Continue to work the Strufloor S70 into the surface for another 5-10 minutes or until Strufloor S70 becomes gelled and slippery for a

Strufloor S70

second time. At this time, thoroughly flush the surface with water. During the flushing process, agitate the surface with a broom to aid in removal of the excess Strufloor S70. Remove all excess material with a mop or squeegee. Thoroughly squeegee the surface dry. If there are slippery patches, this is an indication that there is still excess Strufloor S70 present. These areas should be re-flushed and squeegeed again until the entire surface is dry. (Extremely porous surfaces may require a second application.)

Burnishing:

Strufloor S70 can be burnished to a high sheen on steel trowel concrete floors. A high-speed burnisher (2000-2200 rpm) with appropriate maintenance pad is needed.

Drying Time:

2 – 4 hours. Strufloor S70 dries very quickly on new, virgin concrete. Drying times may be extended on existing (old) concrete due to surface conditions. Restrict foot traffic for at least four hours; 12 hours is preferable.

Cleaning:

While still wet, equipment may be cleaned quickly and easily with soap and water. Do not allow Strufloor S70 to dry before flushing excess from surfaces.

Packaging

Strufloor S70 is available in 30 kg containers.

Storage

When stored in the original unopened container in cool, dry conditions away from sources of heat and naked flames, Strufloor S70 will have a shelf life of 12 months. If stored at high temperatures and/or high humidity conditions the shelf life will be reduced.

Precautions**Health and safety:**

Strufloor S70 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 advice. If swallowed seek medical attention immediately - do not induce vomiting.

Fire:

Strufloor S70 is non-flammable.

