
ROCKSOLID INDUSTRIAL FORTIFYING SEALER

Product Description

ROCKSOLID INDUSTRIAL FORTIFYING SEALER is a bio-chemically modified silicate solution that provides long-term waterproofing and durability benefits to concrete. It penetrates into concrete and reacts with free calcium and water to form a calcium silicate gel complex in cracks, pores and capillaries. This gel creates a sub-surface barrier against the ingress of water and contaminants such as chloride ions.

Product Benefits

- ❖ Eliminates hairline cracks
- ❖ Complete moisture barrier
- ❖ Won't crack from thermal cycling
- ❖ Deeper penetration than CMW
- ❖ Creates everlasting seal
- ❖ Can be used on concrete, block
- ❖ Stops mold, seepage, rutting
- ❖ Resistant to penetration of oil, acid, grease, and salts
- ❖ Meets USDA regulations
- ❖ Penetrates for long-lasting protection

ROCKSOLID Fortifying Sealer will seal existing leaking cracks to 2.00mm. In the matrix the product remains reactive. When in contact with water, it will provide continuous sealing properties of future hairline cracks.

Primary Applications

- ❖ Sewers & Manholes
- ❖ Waste Water Treatment Plants
- ❖ Industrial Warehouses
- ❖ Schools
- ❖ Hospitals
- ❖ Food Processing Plants
- ❖ Parking Decks
- ❖ Airports & Hangars
- ❖ Stadiums & Sports Arenas
- ❖ Fish Hatcheries

Temperature

50°F - 100°F (10°C - 38°C)

Colder temperature applications should not be attempted with this material. It is possible to condition the environment to allow for application via heaters and enclosures. A minimum floor temperature of 50° F is required for application.

Shelf Life and Storage

Twelve months in factory delivered unopened buckets. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 40-90° F. Keep out of direct sunlight.

Surface Preparation

Proper surface preparation is crucial to achieving a successful application. Remove all dust, waxes, sealers, old adhesive residue, curing compounds, oils, surface hardeners, paints, old floorings and other loose or foreign material prior to application. For best results, any concrete surface to be treated shall be cured for a minimum of 14 days and free of surface imperfections such as efflorescence. Loose chunks or chips of concrete should be cleared and remove any resulting dust. Smooth, steel troweled surfaces shall be roughened using mechanical means such as shot-blasting, diamond grinding, or water blasting to provide a porous substrate for penetration.

Application Information

- ❖ Good concrete practice must be followed such as adequate curing, compaction and vibration.
- ❖ **ROCKSOLID FORTIFYING SEALER** must be applied to a clean, dry, dust-free **CONCRETE** surface. This product will not react or work properly on wood, fiberglass, tile, or existing coatings.
- ❖ All curing compounds must be removed prior to application. And materials that retard penetration should be removed.
- ❖ Where segregation, cracks, spalling or voids are apparent, chip or chase out and leave open, then treat the entire floor with **ROCKSOLID FORTIFYING SEALER**. Once the slab has been treated, make final repairs with **ROCKSOLID**

Fortification Formula or Fast Patch prior to the application of coatings.

- ❖ Optimal application temperatures are 50°F - 90°F (10°C - 32°C) **DO NOT INSTALL IF TEMPS ARE UNDER 50°F**

Application Rules

New Concrete: 200 square feet per gallon

Old Concrete: 150 square feet per gallon, areas with crazing may take two applications.

Method

1. Stir material with a paddle/blade type mixer prior to use.
2. Dampen the surface of the concrete with water.
3. Completely saturate the surface with **ROCKSOLID Fortifying Sealer** at 200 sf/gal using a low-pressure sprayer or by pouring onto surface.
4. Move **ROCKSOLID Fortifying Sealer** around on floor with a stiff bristle broom or squeegee, and keep floor wet for 30-45 minutes. **ROCKSOLID Fortifying Sealer** will penetrate the surface and create vapor barrier.
5. After 45 minutes, squeegee or broom excess material from the surface. A wet/dry shop-vac can be used to remove material.
6. Wait a minimum of 2 hours, then flush the surface with water while scrubbing with a stiff bristled broom to remove any latent residue. Squeegee to a surface dry condition.
7. Allow the concrete to dry completely before applying any coatings.

Precautions

Protect glass, aluminum, wood and painted finishes from overspray.

Limitations

ROCKSOLID Fortifying Sealer is not suitable for sealing working/volatile cracks as a result of structural defects or caused by mechanical damage. CFFS Fortification Formula is to be used to repair cracks. For control joints use CFFS Polyflex-93.

Warranty

The technical data and any other printed information furnished by ROCKSOLID are true and accurate to the best of our knowledge. **ROCKSOLID Fortifying Sealer** conforms to in house quality control procedures and should be considered free of

defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller, therefore the buyer assumes all risks of use and handling whether done in a matter that is in accordance with the provided posted directions or not. ROCKSOLID makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.