

TD.500 – TECHNICAL DATA: HYDRAPHO-PR47™

Revised: 3/16/2023 Version: 1.4

Product Class: Non-hazardous silicate solution

Description:

HYDRAPHO-PR47™ was designed to seal and harden new or old concrete surfaces. It can be used as a cure and seal on new concrete. It protects against dusting, pitting, spalling, efflorescence, and temperature cracking in concrete. HYDRAPHO-PR47™ also inhibits freeze-thaw deterioration and neutralizes excess internal alkali from concrete.

Typical Uses:

- Seals, hardens, and cures concrete surfaces

Key Features:

- Eliminates dusting
- Provides a hard-wearing surface
- Reduces efflorescence in concrete
- Reduces and slows the intrusion of water and oil into the surface.
- Protects against freeze-thaw deterioration

Product Properties: Material and curing conditions at 77°F / 24° C unless noted, 50% R.H.

- Tack free: 1-3 hours (depending on temperature)
- Foot traffic: 1-3 hours
- Clean up: soap and water
- Coverage: 200 sq. ft per gal
- Pot life: unlimited

Physical Properties

(@ 77° F / 24° C @ 50% R.H.)

Color	Clear
Odor	None
Non-Volatile content	100%
Specific gravity	1.08
Density	9.0 lbs.
VOC Content	0 g/L

Available Packaging:

- 5 gal. pail & 55 gal. drum

Suggested Storage:

- Storage temperature between 50° F / 10°C and 85° F / 29°C
- Do not allow to freeze.
- Shelf life: 1 year in original unopened containers. Agitate drum or pails before use

Preparation

Fresh new concrete:

- No preparation required.
- Apply as soon as the floor can be walked on and before shrinkage cracks begin to form.
- For new colored concrete wait 30 days before applying sealer/densifier.

Existing concrete:

- Proper surface preparation is required to remove any surface defects, contamination, or films. Degreasing or floor grinding may be required. For best penetration, apply to a dry concrete surface.
- Apply at a coverage rate of 200 sq. ft. per gallon / 18.58 sq. m per 3.78 L to create a slightly flooded surface. Keep the surface wet for at least 30-40 minutes to allow for complete penetration. Reapply as needed to prevent any areas from drying.
- Aggitate the surface using swing machine / buffers with soft brushes or use push brooms to work the material into the surface.
- The surface will become very slippery after 30-40 mins, use caution. Wash down with water and brush again to thoroughly rinse the surface until all residue has been removed. Squeegee surface dry. A wet-vac is recommended for small to medium size projects and an autoscubber for large floors.
- Once the surface has completely dried it can be opened to full traffic.