

PRODUCT

SEMCO's natural Shield is an exceptional waterproofing sealer that excels under the most demanding circumstances. Natural Shield's low molecular weight allows for excellent penetration. Natural Shield fills into the pores of the substrate, in which chemical reaction follows, that creates a solid, but breathable membrane. Natural Shield provides long lasting protection for a vast array of surfaces in which it leaves a natural finish.



SUBSTRATES

- Excellent penetration
- Can be applied on damp surfaces
- Highly alkaline resistant
- Effective against freeze-thaw damage
- Unaffected by ultra-violet rays
- New and existing stamped
- Increase life of mortar, tiles, stucco, brick and natural stone

COVERAGE

COVERAGE sq ft. / 1 gal @ 3 coats

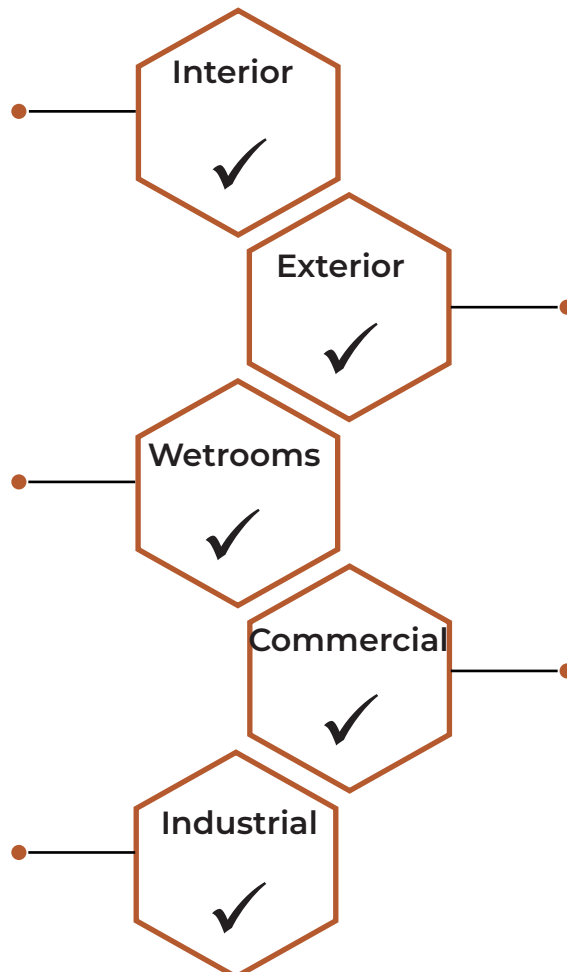
Artificial stone	200 - 250
Polished concrete	150 - 250
Stamped Concrete	300 - 350

USES

Get the durability and performance of a solvent-based system, but with the easy application and clean-up of water-based products.

With its low water permeability, Natural Shield can be used in showers.

Excellent chemical resistance and industrial strength finish allow Natural Shield to be used in an industrial environment.



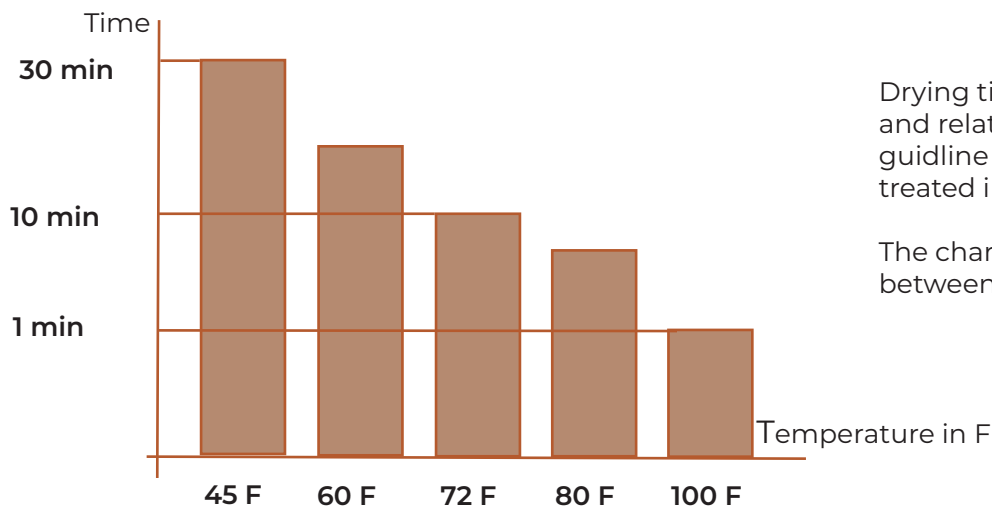
UV-resistant and can be applied to multiple surfaces to give extra protection.

Natural Shield's performance allows to be used in commercial areas to protect your surface and decrease maintenance efforts

APPLICATION

Application	Apply wet on wet require 3 coats, do not allow each coat to dry
Application environment	Apply at temperatures from 50°F to 90°F
Color	Milky white
Chemical type	Silane and Siloxane
Clean up	SEMCO Stone Soap with water
Shelf life	3 years (ambient temperature of 60F - 72F)
Packaging	1 pint, 1 gallon, 5 gallons

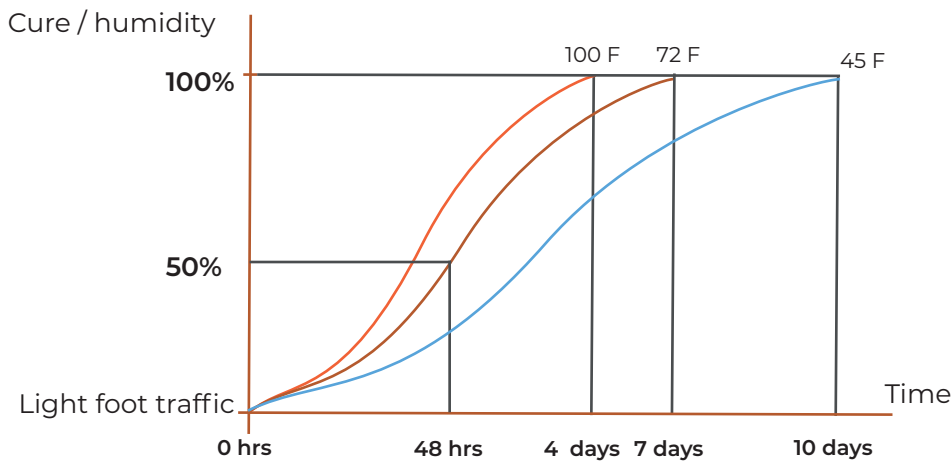
DRYING / RECOAT TIME



Drying times are affected by temperature and relative humidity. The chart represents guideline values but each project is to be treated individually.

The chart represents the time needed in between coats at specified temperature.

CURE TIME



Curing time is affected by temperature and humidity.

For example at only 45 F, a full cure would take 10 days in comparison to at 100 F it would only take 4 days to cure.

PROCEDURE

STEP 1


- Execute appropriate preparation method to suit your needs before application. Reference to the SEMCO SIP Manual under the Surface Preparation Section.
- Sweep debris off surface

STEP 2

- Apply the sealer with a 1/4" nap roller, HVLP sprayer, pump sprayer, or airless sprayer with tip size 17. Minimum of 3 coats are required to ensure maximum performance
- Apply the first coat and **DO NOT ALLOW THE SEALER TO DRY BEFORE APPLYING SECOND AND THIRD COATS.** Do not allow to puddle
- Repeat the application to a minimum of 3 coats. Additional coats may be required depending on the porosity of the surface (X-Bond requires, 3 coats only, other surfaces such as concrete or block may require additional coats)

TOOLS NEEDED

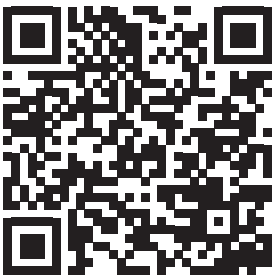


- Airless sprayer with tip size 17
- 1/4" nap roller
- OPTIONAL : pump sprayer 

NOTES

- Extended application procedures can be found in the SEMCO SIP Manual.
- Procedures for cleaning of the flooring system during operations can be found in the SEMCO SIP Manual or upon request
- Safety Data Sheets for SEMCO Natural Shield are available upon request.

Scan to watch application



PRECAUTIONS
Always test a small area first to determine ease of application and desired results. Gloves and eye protection should be worn during application. Do not mix with other cleaners. Not for use on humans or animals. If any contact with skin or eyes occurs, wash immediately with plenty of water. Be sure to read container label and Material Safety Data Sheet before using this product.

LIMITED WARRANTY NOTICE
The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance to SEMCO Post Matrix procedure, recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Federal, state and local specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request.

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SEMCO
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