

PRODUCT

The Titan Shield Gloss is an advanced single component water-based polyurethane hybrid sealer. The perfect sealer solution for cementitious surfaces such as concrete, micro toppings, pavers, block, and/or polished concrete.

The Titan Shield Gloss is a UV stable sealer making it great for residential and commercial interior and exterior applications. The Titan Shield Gloss provides superior protection; outperforming acrylic, urethane, and polyurea sealers with a high-density film forming topical membrane reducing degradation from all forms of foot, chemical, and/or vehicle traffic. The Titan Shield Gloss is easily applied with brush, roller, and/or sprayer. With its fast-drying system, a 3 coat application can be easily completed in a single day.

BENEFITS

- Withstand commercial foot and vehicle traffic
- Enhances color
- UV Resistant
- Resistant to chemicals
- Self-priming, sealer and hardener
- Odorless
- Low VOC's to meet indoor airquality standards

COVERAGE

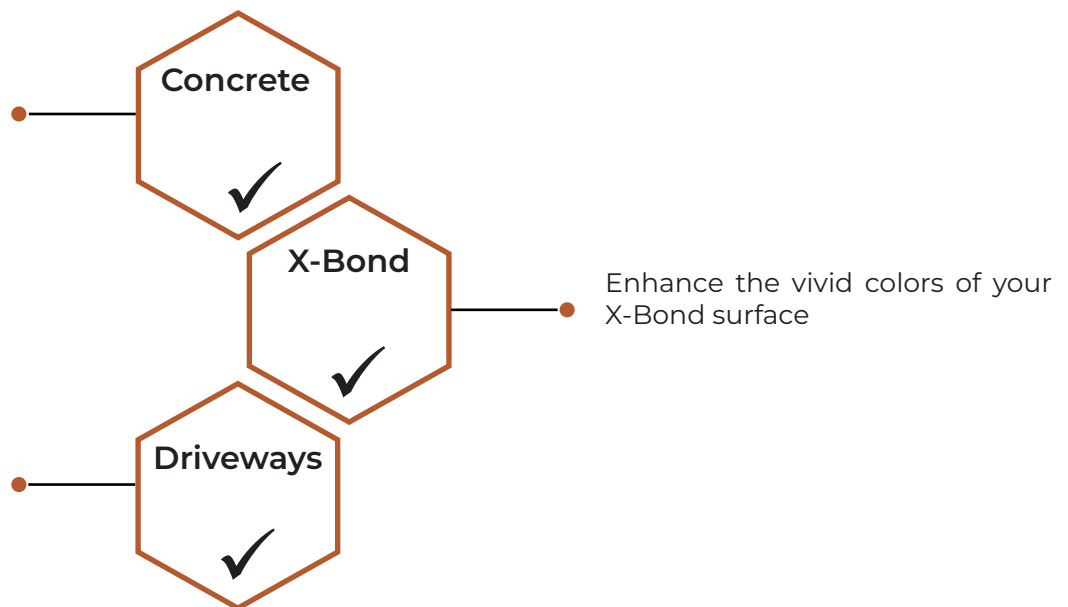
COVERAGE sq ft. / 1 gal @ 3 coats, 20 mil total thickness

Polished concrete	150 - 200
Artificial Stone	150 - 200
Stamped Concrete	250 - 300
X-Bond	200 - 250

SUBSTRATES

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

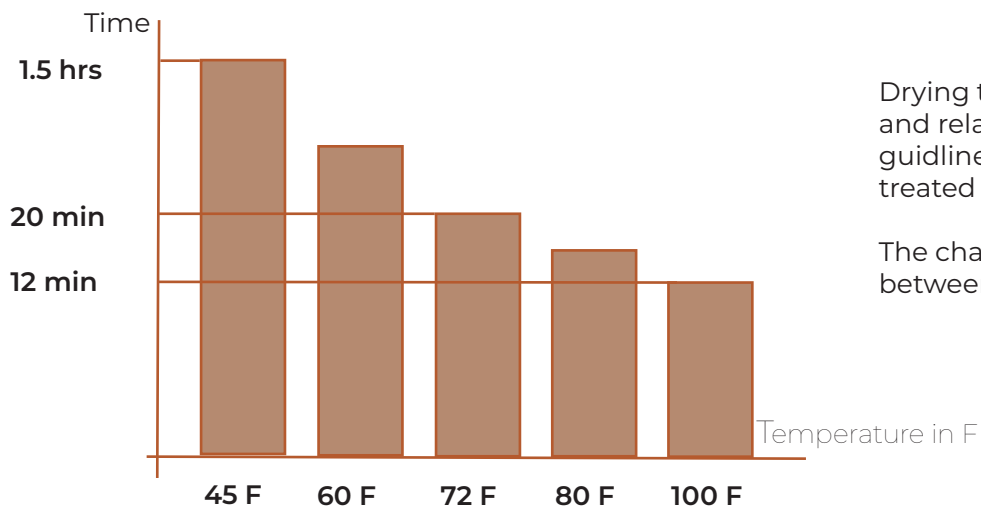
Protect your artificial stone from weathering and prolong its life span with extra protection.



APPLICATION

Application	Airless sprayer, tip size 17, 1/2" woven short nap roller or Magic Trowel
Application environment	Apply at temperatures from 50°F to 90°F
Color	White/milky liquid
Chemical type	Polyurethane hybrid
Clean up	Stone Soap and water
Shelf life	1 year (ambient temperature of 60F - 72F)
Packaging	1 gallon, 5 gallons

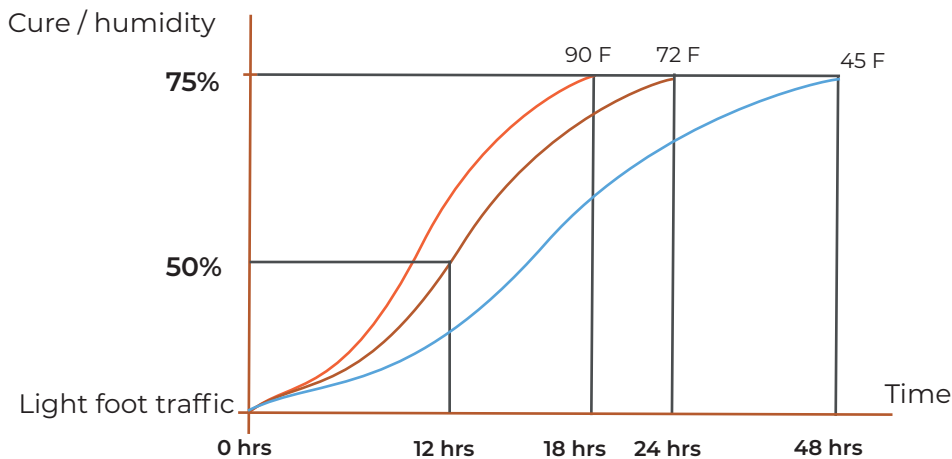
DRYING / RECOAT TIME



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 48 hours in comparison to at 90 F it would only take 18 hours 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.
- Test pH level after preparation (optimal pH level is 6.8 - 7.8)

STEP 2

- Use airless sprayer with tip size 17 at 850-1,000 PSI. Position the airless sprayer gun at 18" away from the floor
- OPTIONAL: use magic trowel or 1/2" woven short nap roller to apply the product. Do not go back and forth
- Minimum of 3 coats is required to ensure 20 mil (0,5 mm) total film thickness

VERTICAL SURFACES

- Apply the Titan Shield Gloss with a woven 1/2" nap roller and use Magic trowel to spread it evenly. Start from top to bottom. Minimum of 3 coats is required. Use HVLP with a large tip size 17 to apply Titan Shield Gloss on large surface areas.

TOOLS NEEDED

- Airless sprayer with tip size 17
- Magic Trowel
- 1/2" woven short nap roller roller

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 Titan Shield Gloss are available upon request.
- Over time due to normal wear, abrasion, traffic and cleaning. Generally, high gloss coatings are subject to a reduction in gloss, while matte finish coatings can increase in gloss level under normal operating conditions.
- Excessive service conditions, such as steel- or hard plastic-wheeled traffic or dragging heavy metal equipment or loaded pallets with protruding nails over the surface, are categorized as misuse and abuse.
- Allowances must be made for scratches or abrasions that occur due to moving or sliding furniture or fixtures over the surface

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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