X-Crete 400

SEMCO
modern seamless surface
SURFACE ENGINEERING COMPANY

PRODUCT

X-Crete 400 is formulated with the latest technology in polyurethane blend resin to provide the most environmentally-responsible, water-based sealer available in today's market. X-Crete 400 is a high quality, multi-faceted product. It dries clear, creating a shiny look as it simultaneously seals, dust proofs, and protects. X-Crete 400 is a unique, one-of-a-kind high-gloss topcoat, which provides a durable barrier resistant to stains and chemicals while providing a polished look for exterior and interior use.

BENEFITS

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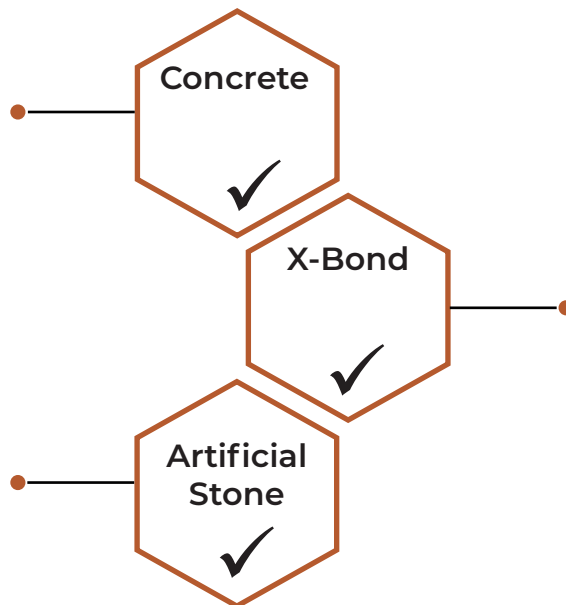- Low VOC's to meet indoor airquality standards

COVERAGE

COVERAGE sq ft. / 1 gal

Polished concrete	300 - 350
Artificial Stone	400 - 500
Stamped Concrete	250 - 350
X-Bond	250 - 350

SUBSTRATES

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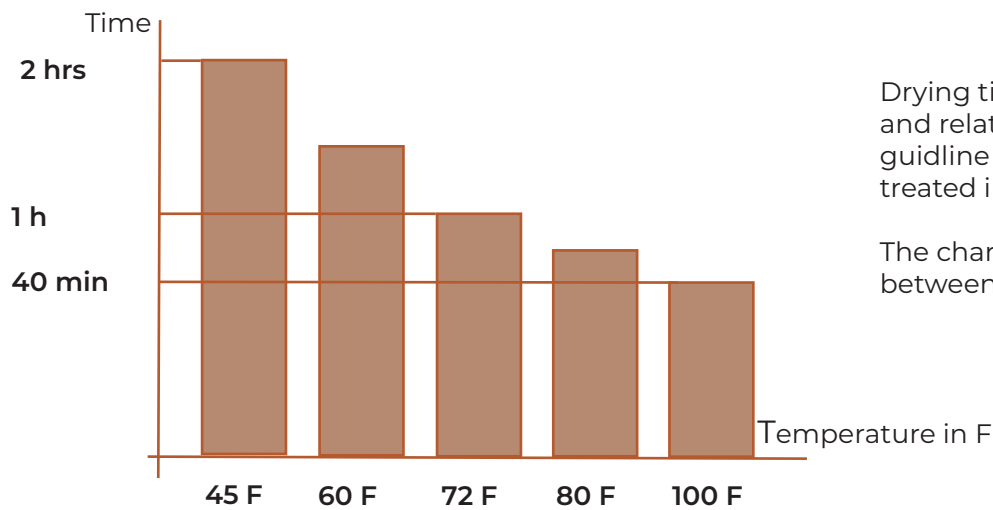
Concrete ✓

X-Bond ✓

Enhance the vivid colors of your X-Bond surface

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

Artificial Stone ✓

APPLICATION

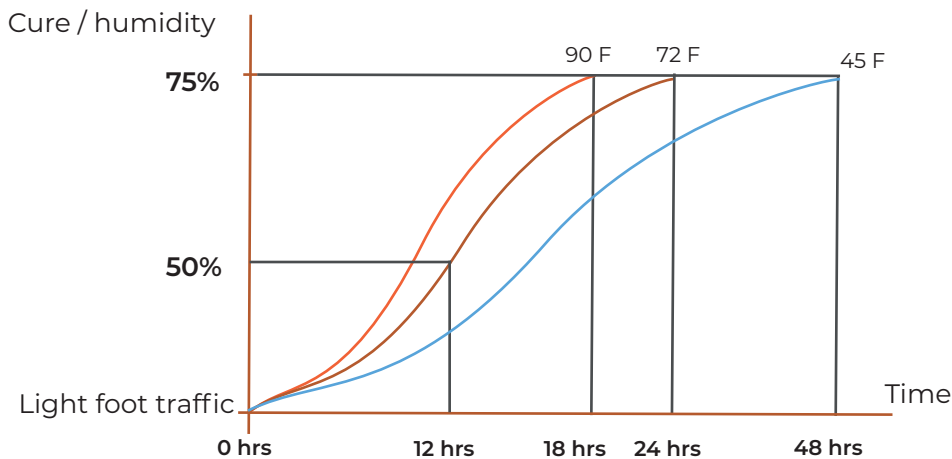| Application	Airless sprayer, tip size 21, short nap roller or Magic Trowel
Application environment	Apply at temperatures from 45°F to 100°F
Color	White/milky liquid
Chemical type	Water based resins
Clean up	Stone Soap and water
Shelf life	1 year (ambient temperature of 60F - 72F)
Packaging	1 gallon, 5 gallons, 55 gallon drum

DRYING / RECOAT TIME

Drying times are affected by temperature and relative humidity. The chart represents guidline 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.

- Sweep debris off surface

STEP 2

- X-Crete 400 Gloss or (OPTIONAL) mix X-Crete 400 Gloss with Matte Additive for desired sheen effect
- (OPTIONAL) X-Crete 400 Gloss + Non-Skid Additive = X-Crete 400 Non-Skid
- Use a Magic trowel application for standard application for minimum 0.5 ml thickness per coat
- Pour the product on surface. Use the Magic trowel to spread the X-Crete 400
- Apply the first coat and allow the sealer to dry for at least 30 minutes , up to 2 hours in high humidity conditions, or until surface is completely dry
- Repeat the application to a minimum of 3 coats. Additional coats may be required depending on the porosity of the surface (X-Bond 3 coats only, other surfaces such as concrete or block may require additional coats)
- For larger areas X-Crete 400 and Non-Skid can be applied with airless sprayer with tip size 21. Adjust sprayer to the lowest possible air setting
- After the final coat of X-Crete 400 apply 3 coats of the Crystal Coat using micro fiber pad with matching additives to the X-Crete 400. Follow the same instructions

VERTICAL SURFACES

- Apply the X-Crete 400 with a micro fiber pad or HVLP sprayer and use micro fiber pad to spread material evenly. Start application from top to bottom to avoid runs. Minimum of 3 coats is required to ensure maximum performance, avoid overspraying a section

TOOLS NEEDED

- Airless sprayer with tip size 21

- Magic Trowel

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 X-Crete 400 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

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