# CHEM-SCREEN® TOPCOAT

## Clear (2031) • Pigmented (2023)

## OVERVIEW & FEATURES

Chem-Screen Topcoat is a two-component 97% solids novolac clear coating that can be used either as a coating or filled with paint chips, marble chips, and colored sand mixtures to provide an array of colors and patterns.

Chem-Screen Topcoat is recommended for chemical spill areas, troughs, curbs and tanks. This product has exceptional chemical resistance and good color clarity.

**Chemical Resistance** – Chem-Screen Topcoat is highly resistant to most common acids, bases and solvents. It is the product of choice when the material needs to resist acid and caustic solutions.

**Durable** – Chem-Screen Topcoat will satisfy most industrial demands for a long-wearing, attractive finish. This product has excellent abrasion resistance and is ideal for industrial applications where chemical resistance is a concern.

**VOC Compliant** – Chem-Screen Topcoat has nearly zero pounds of solvent per gallon. It can be sold anywhere in the country because it applies to all VOC regulations.

## APPLICATION

**Product Storage** – Continuous storage should be between 60°- 90°F (15°- 32°C). Low temperatures or extreme temperature fluctuations may cause crystallization. Before use, bring the product to room temperature.

**Surface Preparation** – The most suitable preparation would be a fine brush blast (shot blast) to remove all debris. All dirt, foreign contaminants and oil must be removed to assure a trouble-free bond to the substrate. Test the surface to make sure concrete is dry by placing a 4' x 4' (1.22 m x 1.22 m) plastic sheet on the substrate and taping down the edges. After 24 hours, if the substrate under the plastic is still dry, then the substrate is dry enough to start coating. The plastic sheet test is also a good way to determine if hydrostatic pressure problems exist that may later cause disbonding.

**Product Mixing** - Standard packages are in pre-measured kits and should be mixed as supplied in the kit. We do not recommend breaking kits down unless suitable weighing equipment or a graduated bucket is available. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. After mixing, transfer the mixed material to another pail (the transfer pail) and remix again. The material in the transfer pail is now ready to be applied on the primed substrate. Improper mixing may result in product failure.

**Priming** – A suitable primer should be used before applying this product. Without primer, porous substrates may cause outgassing and possible surface defects.

**Product Application** – The mixed material can be applied by brush, roller or spray. Or use a serrated squeegee and then backroll as long as the appropriate thickness recommendations are maintained. Maintain temperature and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over-aggressive mixing causes air entrapment, then an air release roller tool should be used. This product can be used with colored sand in a broadcast system. Other suitable aggregates can also be used to achieve a variety of colors and patterns.

**Re-coat or Topcoating** – If you opt to re-coat or topcoat this product, be sure that the coating has tacked off before recoating. Colder temperatures will require more cure time. Before re-coating or topcoating, check the coating to ensure no epoxy blushes (a whitish, greasy film or deglossing) have developed. If a blush is present it must be removed with a standard detergent cleaner. Multiple coats of this product are compatible.

**Floor Cleaning** – Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique beore cleaning the entire surface.

spray application guide).

**Clean Up** – Use xylol.

## PRECAUTIONS

- Use with adequate ventilation.
- Avoid contact with eyes, skin and clothing, wear gloves or protective creams — if skin contact occurs, wash at the first opportunity with soap and water.
- Eye exposure or inhalation can result in serious medical problems — in the event of eye contact, immediately flush eyes with water and contact a physician.
- Keep out of the reach of children.
- For industrial use only.

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| Technical Data | Chem-Screen Topcoat (Clear) | Chem-Screen Topcoat (Pigment) |
|---|---|---|
| **Flexural Strength** (ASTM D 790) | 10,120 psi | 9,610 psi |
| **Tensile Strength** (ASTM D 638) | 6,550 psi | 6,680 psi |
| **Hardness** Shore D | 82 | 88 |
| **Non-Volatile Content** | | |
| % by weight | 97 | 96 |
| % by volume | 96 | 94 |
| **Shelf Life** | 1 year, unopened | 1 year, unopened |
| **Recommended Film Thickness** | 16 - 18 mils | 16 - 18 mils |
| **Coverage Rate** | 90 - 100 ft2/gal | 90 - 100 ft2/gal |
| ***Curing Schedule (70°F)** | | |
| Pot Life (1.5 gal.) | 30 - 40 minutes | 25 - 35 minutes |
| Tack Free | 8 - 12 hours | 5 - 7 hours |
| Recoat/Topcoat | 14 - 16 hours | 5 - 10 hours |
| Light Foot Traffic | 24 hours | 10 - 18 hours |
| Full Cure | 2 - 7 days | 2 - 7 days |
| **Packaging (Kit)** | 1 gallon (3.7 L)<br>5 gallon (18.5 L) | 3 gallon (11.4 L)<br>15 gallon (56.8 L) |

*Time varies depending on air temperature and humidity.

For specific recommendations and coverage rates, please contact your local Garland Representative or Garland Technical Service Department.

| Eco-Facts | Chem-Screen Topcoat (Clear) | Chem-Screen Topcoat (Pigment) |
|---|---|---|
| **VOC** | TK g/L | TK g/L |

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