

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	100% solids, self-leveling novolac epoxy floor coating
<b>Description</b>	An novolac epoxy grout used to seal and fill small voids left from troweling the aggregate filled Protecto-Coat 140T BC, a heavy-duty industrial troweled mortar.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Low Odor</li> <li>• VOC Compliant</li> <li>• Can be used for Coving, Pitch and Curb Construction</li> <li>• 100% Solids</li> </ul>
<b>Typical Uses</b>	<ul style="list-style-type: none"> <li>• Pulp and Paper Mills</li> <li>• Dike Areas</li> <li>• Chemical Storage</li> <li>• Pickling Room Floors</li> <li>• Truck Unloading Platforms</li> <li>• Warehouse Floors</li> <li>• Aisleways</li> <li>• 98% Sulfuric Acid Containment</li> </ul>
<b>Color</b>	Translucent Grey
<b>Primer</b>	Concrete <b>must</b> be primed to aid in the “wetting out” required for good bonding. Use Primer 67 series or other primer recommended by Dudick or Carboline technical service. Can be used in conjunction with or directly over Vapor Stop, when encountering high moisture levels or green concrete.
<b>Dry Film Thickness</b>	8 - 10 mils (203 - 254 microns) per coat
<b>Solid(s) Content</b>	100%
<b>Coverage Rate</b>	80-100 ft <sup>2</sup> per mixed gallon
<b>VOC Values</b>	<b>As Supplied</b> : 0 g/l
<b>Chemical Resistance</b>	<ul style="list-style-type: none"> <li>• Dilute inorganic acids</li> <li>• Dilute alkali solutions</li> <li>• Cleaning &amp; sanitizing solutions</li> <li>• Mineral oils</li> <li>• Salt solutions</li> </ul>
<b>Topcoats</b>	Protecto-Coat 100XT or Steri-Seal HC or other optional topcoats available depending on exposure, increased UV stability, and durability requirements. Contact your representative for more recommendations.

# Protecto-Crete 140T GC

PRODUCT DATA SHEET



## SUBSTRATES & SURFACE PREPARATION

**Concrete** | Concrete: Concrete must be prepared mechanically to remove surface laitance. Oils, grease or other contaminant must be removed prior to surface preparation. Concrete must be free of curing compounds and form release agents. Water dropped on the surface should be readily absorbed. Surface texture should be similar to 60-80 grit sandpaper or in accordance with visual standards CSP 3-5 from ICRI. The prepared surface should have a nominal tensile strength of 250 PSI per ASTM D7234.  
All concrete substrates must be checked for moisture prior to primer application using the Plastic Sheet test, ASTM D4263.  
Additional surface preparation will be required if the surface laitance not completely removed with first mechanical preparation, even if the minimum profile has been achieved.  
If mechanical preparation exposes honeycombs or voids, These can be filled with Scratch-Coat 300. Consult your representative for system recommendations

## MIXING & THINNING

**Mixing** | Mechanically premix the premeasured Parts A & B thoroughly for 1-2 minutes or until a uniform consistency is achieved. Place the mix directly onto the prepared Mortar coat and squeegee to the desired thickness.

**Thinning** | Do not thin.

**Ratio** | 2:1 (A:B by volume)

**Pot Life** | 60 minutes at 50°F (10°C)  
30 minutes at 75°F (23°C)  
15 minutes at 90°F (32°C)  
The pot life of the system components will depend upon the temperature. To prevent material waste and avoid damage to equipment, do not mix more material then can be used according to the corresponding pot life data.

## APPLICATION PROCEDURES

**Application** | After grinding and sanding the base coat, apply Protecto-Crete 140T GC at a rate of 80-100 ft<sup>2</sup>/gallon with a flat bladed rubber squeegee to fill any porosity in the body coat. Let cure to “tack free” state and apply the selected topcoat.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	60°F (16°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	80°F (27°C)	110°F (43°C)	110°F (43°C)	90%

Substrate temperature must be 5°F (3°C) above the dew point.  
Application in direct sunlight may lead to blistering, pinholes, or wrinkling due to outgassing of air in the concrete and high substrate temperatures. Double priming, shading or evening application may be required. Consult with your representative for more information.

## CURING SCHEDULE

Surface Temp.	Minimum Recoat Time	Maximum Recoat Time	Cure Time
50°F (10°C)	8 Hours	24 Hours	3 Days
75°F (24°C)	5 Hours	24 Hours	24 Hours
90°F (32°C)	3 Hours	18 Hours	20 Hours

**Important:** With all epoxies after priming and before each additional coat, examine the surface for amine blush (oily film). If present, remove by washing with warm water and detergent.

## TESTING / CERTIFICATION / LISTING

**General** | Dudick flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation to meet static coefficient of friction requirements for ANSI B101.1 of >0.6 and dynamic coefficient of friction (DCOF)\* – Wet ANSI A326.3 of >0.42.

## CLEANUP & SAFETY

**Cleanup** | Use S-10 Cleaning Solvent or Carboline Thinner 2 to clean tools and equipment.

**Safety** | Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal safety precautions. Use adequate ventilation. Keep container closed when not in use.

**Ventilation** | Ventilation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. Use MSHA/NIOSH approved air respirators as needed.

**Caution** | Fire and explosion hazards: This product contains less than 1% volatile components, however, vapors are heavier than air and can travel long distances, ignite and flash back. Eliminate all Ignitions sources. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workers should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

## PACKAGING, HANDLING & STORAGE

**Packaging** | **5 Gallon Kit**  
Part A: 3.35 gal (12.7 liters)  
Part B: 1.65 gal (6.2 liters)

**Shelf Life** | Part A: 12 months  
Part B: 12 months

When stored in their original, unopened containers at 50°F-75°F (10°C-24°C). Storage in direct sunlight or excessive heat will reduce working time and shelf life.

Store all products in a cool, dry area away from open flames, sparks or other hazards.

**Storage** | Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period.  
**Warning:** All Dudick products classified by DOT with either white, yellow, or red labels must not be mixed or stored together as an explosive reaction can occur.

# Protecto-Crete 140T GC

PRODUCT DATA SHEET



---

## PACKAGING, HANDLING & STORAGE

---

**Shipping Weight** | 5 gallon kit: 56 lbs (25 kg)  
**(Approximate)**

## WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.