

DECOTOP CLEAR PLUS 3.0 PRODUCT 707

Thermal-Chem's Best Epoxy Clear Coat

PRODUCT DESCRIPTION

DecoTop Clear Plus 3.0 is a two (2) component 100% solids, 100% reactive water-clear epoxy polymer specifically formulated to be a finish coat for the systems in the Decorative Floor Group. **DecoTop Clear 3.0** is a flexible and extremely durable high gloss protective coatings that may be finished in a variety of slip-resistant textures while providing excellent resistant to impact, abrasion and many common chemicals.

DecoTop Clear Plus 3.0 is expressly recommended for interior applications and can be applied at temperatures down 45°F. **DecoTop Clear Plus 3.0** is USDA approved, meets VOC guidelines, and has no offensive odors during installation. For exterior applications with exposure to intense UV sunlight, Thermal-Chem's **DecoFinish P-81** Product # 1062 (No odor Polyurea) and **DecoFinish E-57** Product # 1057 (Urethane) or **ArmorFinish E-81** Product # 1081 (No Odor Urethane) are recommended.

DecoTop Clear Plus 3.0 has been specially formulated to be an interior finish coat(s) for the **DecoQuartz** and **DecoFlake Systems**; however the excellent clarity and permanent protection that **DecoTop Clear Plus 3.0** provides, enhances and adds to the aesthetic qualities of any decorative or industrial thin mil flooring surface.

The **DecoTop Clear 3.0** is Thermal-Chem's best epoxy clear coat.

USES

Typical uses for the **DecoTop Clear 3.0** include:

- Warehouses and aisle ways

- Automobile service and repair areas
- Industrial floor protection
- Food preparation areas
- Residential garages and basements
- Slip-resistant coating for floors, walkways, and vehicular or pedestrian ramps
- Hospitals – both human and animal
- Top coat finish for **DecoQuartz** and **DecoFlake**
- In conditions where rapid water spotting resistance is required

And, wherever the following floor properties are required:

- A clear slip-resistant safety surface
- A clear maintenance coating
- Durable and long lasting protection

Degrees

Recoat Time

DecoTop Clear Plus 3.0

77°F	2-3 hrs.
60°F	5-6 hrs.

The above table assumes ambient temperature, material and substrate are equal and material is applied at 20 mils in thickness.

TYPICAL PHYSICAL PROPERTIES

DecoTop Clear Plus 3.0	
Physical Characteristics	707
Hardness, Shore D	
ASTM D2240	70-75
Bond Strength	
ACI 503	>350
	100% concrete failure
Impact Resistance	
ASTM D2794	160 in./lbs.
Abrasion Resistance	50 mg.
ASTM D1044	Loss
Tabor Abrasion	
CS-17 Wheel	

1000 gms. Load	
1000 cycles	
Viscosity 77 Degrees F.	500-700 cps
Viscosity 60 Degrees F.	1500-1800 cps
Compressive Strength	
ASTM D695	5,700
PSI 7 Day Cure	
Tensile Elongation	
ASTM D638	45%
Tensile Strength	1200
Freeze Thaw Resistance	300 Cycles
ASTM C666	Passes
Flammability	Self extinguishing over concrete

ADVANTAGES

- Excellent resistance to chipping/dings due to its elongation/flexible properties
- Rapid cure
- Excellent water spotting resistance
- Good resistance to many common chemicals
- Available in various slip-resistant textures
- Excellent adhesion to all of the decorative and pigmented base coat systems
- Provides a highly durable protective clear finish coat
- USDA approved
- May be field pigmented using **ColorThane** universal pigment.
- 2 to 1 by volume mix ratio
- **DecoFinish E-57 or ArmorFinish E-81** may be applied over **DecoTop Clear Plus 3.0** to retard discoloration from UV exposure

LIMITATIONS

- Limited temperature range during application – Minimum substrate temperature – 45°F

- Limited exposure to harsh chemicals
- May discolor on exterior applications or interior applications exposed to direct sunlight or high intensity UV light sources.
- May water spot if exposed to moisture prior to reaching its water spotting resistance cure

COLOR and TEXTURES

- Water-clear
- May be field pigmented – Ten pigmented tint colors available
- Various textures available using aluminum oxide

PRODUCT APPLICATION

The **DecoTop Clear Plus 3.0** is designed primarily for use with either the **DecoQuartz** or **DecoFlake** flooring systems; however, it may be used as a clear coating for any of the other base coat system and is compatible with any of the Thermal-Chem companion or repair products (refer to catalog). **DecoTop Clear Coatings** may be applied by means of:

- Roller and paint tray
- Squeegee and back rolling
- Scrape trowel and back roll

Refer to the System Installation Guide – DecoFlake or DecoQuartz for specific installations procedures.

CHEMICAL RESISTANCE

Refer to Separate Product Chemical Resistance Charts, or for specific product applications, contact your local Thermal-Chem representative.

PRODUCT AVAILABILITY

Products are manufactured and available through the Thermal-Chem Corporation, 2550 Edginton Street, Franklin Park, IL 60131 U.S.A.

Tel: 800 635 3773 ▪ 847 288 9090

Fax: 847 288 9091

E-Mail: sales@thermalchem.com

Website: www.thermalchem.com

TECHNICAL/SPECIFICATION SERVICES

Additional Product Data, complete Technical Support and Product Specifications are all available through Thermal-Chem Corporation or their local representatives.

Every reasonable precaution and effort has been taken in the manufacturer of all Thermal-Chem products to comply with the published product data. Actual product performance may vary slightly due to environmental influences and/or conditions.

PRODUCT HANDLING

Read the Material Safety Data Sheet thoroughly before use.

Warning: For professional use only. Avoid contact of uncured material with skin and eyes. Contact with skin may result in irritation. Wash skin with soap and water. If contact with eyes should occur, flush with water for 15 minutes and seek immediate medical attention.

LIMITED WARRANTY

Thermal-Chem Corporation warrants its product to be of good quality and will, at Thermal-Chem's sole discretion, replace or refund the original purchase price (if payment was made in accordance with Thermal-Chem's payment and credit terms) of any product proved defective or non-conforming. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. **THE PARTIES AGREE THAT THE REPLACEMENT OR REFUND OF PRODUCT PAYMENT FOR DEFECTIVE PRODUCT OR NON-CONFORMING GOODS IS THE SOLE AND EXCLUSIVE REMEDY.** Therefore, except for such replacement, **THERMAL-CHEM CORP. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS,** and Thermal-Chem Corporation

shall have no other liability with respect thereto, including without limitation, liability for incidental or consequential damages. Any claim regarding product defect must be received in writing within ninety (90) days from the date of shipment. No claim will be considered without such written notice or after the specified time interval. The user shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.

