

# DECOTOP CLEAR PRODUCT 748

Thermal-Chem's Mid-Level Epoxy Clear Coat

## PRODUCT DESCRIPTION

**DecoTop Clear** is a two (2) component 100% solids water-clear epoxy polymer specifically formulated to be a finish coat for the systems in the Decorative Floor Group.

**DecoTop Clear** is an 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** is Thermal-Chem's mid-level clear coat. It has improved UV resistance over **745 DecoWear** but less than **707 DecoTop Clear Plus 3.0**, Cure time is faster than **745 DecoWear** but less than the very fast **707 DecoTop Clear Plus 3.0**. It has less flexibility than **707 DecoTop Clear Plus 3.0** and is less "ding" resistant.

**748 DecoTop Clear** is expressly recommended for interior applications and can be applied at temperatures down to (50°F) It 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 **1062 DecoFinish P-81** (No odor Polyurea) and **1057 DecoFinish E-57** (Urethane) or **1061 ArmorFinish E-81** (No Odor Urethane) are recommended.

**748 DecoTop Clear** 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** provides, enhances and adds to the aesthetic qualities of any decorative or industrial thin mil flooring

## USES

Typical uses for the **DecoTop Clear Coating System** include:

- Warehouse aisle ways
- Automobile service and repair areas
- Industrial floor protection
- Food processing areas
- Slip-resistant coating for floors, walkways, and vehicular or pedestrian ramps
- Residential garage and basement floors
- Hospitals – both human and animal
- Top coat finish for **DecoQuartz** and **DecoFlake**

And, wherever the following floor properties are required:

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

## Degrees

### DecoTop Clear

77°F  
60°F

## Recoat Time

4-5 hrs.  
8-11 hrs.

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

## TYPICAL PHYSICAL PROPERTIES

Physical Characteristics	DecoTop Clear 748
Hardness, Shore D ASTM D2240	75-79
Bond Strength ACI 503	>350 100% concrete failure
Impact Resistance	

ASTM D2794	160 in./lbs
Abrasion Resistance ASTM D1044 Tabor Abrasion CS-17 Wheel 1000 gms. Load 1000 cycles	35-45 mg. Loss
Viscosity 77 Degrees F.	500-700 cps
Viscosity 60 Degrees F.	1500-1800 cps
Compressive Strength ASTM D695 (Resin Only) PSI 7 Day Cure	7,050
Tensile Elongation ASTM D638	13.0%
Tensile Strength	2200
Freeze Thaw Resistance ASTM C666	300 Cycles Passes
Flammability	Self extinguishing over concrete

## ADVANTAGES

- 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 protective clear finish coat
- USDA approved product
- May be field pigmented using **DecoThane** universal pigment.
- 2 to 1 by volume mix ratio
- **DecoFinish E-57 or ArmorFinish E-81** may be applied over **DecoTop Clear** to retard discoloration from UV exposure

## LIMITATIONS

- Limited temperature range during application – Minimum substrate temperature – 50°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

## PRODUCT APPLICATION

The **DecoTop Clear** 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 systems and is compatible with any of the Thermal-Chem companion or repair products (refer to catalog). **DecoTop Clear** 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, 2120 Roberts Drive, Broadview, IL 60155 U.S.A.

Tel: 800/635-3773 ■ 847/288-9090

Fax: 847/288-9091

E-Mail: [sales@thermalchem.com](mailto:sales@thermalchem.com)

Website: [www.thermalchem.com](http://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**

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