

# RESURFACER PLUS 3.0

## PRODUCT 705

### Fast Cure Epoxy Polymer Topcoat

#### PRODUCT DESCRIPTION

**Resurfacer Plus 3.0** is a rapid cure, two component, 100% solids epoxy topcoat system for medium and general use where minimum downtime is a requirement. **Resurfacer Plus 3.0** can also be used as a coating, seeded coating, self-leveling slurry, or slurry broadcast high-build system.

**Resurfacer Plus 3.0** is formulated with topcoat quality performance characteristics, pigments and UV stabilizers.

**Resurfacer Plus 3.0** fast cure epoxy has been specifically formulated for interior or exterior use at application substrate temperatures of not less than 45°F. Depending upon surface, ambient, and material temperatures, **Resurfacer Plus 3.0** can be recoated in approximately 3 hours.

For best application results, pre-condition the material to between 80°F (27°C) and 90°F (32°F) if the substrate temperature is below 70°F (21°C).

Applied as a seeded coating, a broadcast slurry application, or as a troweled overlay, **Resurfacer Plus 3.0** cures quickly to allow for re-coat or for quick turn around when projects require minimum shut down time. **Resurfacer Plus 3.0** is also a user friendly and environmentally safe product that meets VOC regulations and is USDA approved.

Degrees	Recoat Time
<b>Resurfacer Plus 3.0</b>	
77°F	2-3 hrs.
60°F	5-6 hrs.

The above table assumes the substrate and ambient temperatures are equal to material temperatures and the material is applied at 20 mils thickness.

#### USES

Typical usage for **Resurfacer Plus 3.0** formulas of epoxy flooring include:

- Industrial flooring
- Warehouse aisle ways
- Factory floors
- Commercial kitchens
- Auto Dealerships
- Locker rooms

And, wherever the following properties may be required:

- Slip-resistant surfaces
- Increased ease of maintenance
- Good abrasion resistance
- Durability and sanitary protection

#### TYPICAL PHYSICAL PROPERTIES

Physical Characteristics	Resurfacer Plus 3.0
	705
Hardness, Shore D	
ASTM D2240	70-75
Bond Strength	
ACI 503	>350
	100% con. failure
Impact Resistance	
ASTM D2794	160 in./lbs.
Abrasion Resistance	
ASTM D1044	50 mg. 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	
Aggregate Filled	8,500
Compressive Modulus	
ASTM D695	264,500
Tensile Elongation	
ASTM D638	45%
Tensile Strength	1200
Freeze Thaw Resistance	300 Cycles
ASTM C666	Passes

## ADVANTAGES

- Mix ratio 2:1 by volume
- Excellent “ding” resistance
- Fast turn-around and recoat time
- Non-blushing formulation
- Good resistance to many common chemicals
- Provides a highly durable and protective flooring system
- No offensive odors during installation
- USDA approved
- Installed by approved applicators
- 100% solids and VOC compliant (no solvents)
- Good elongation
- Very good UV resistance

## LIMITATIONS

- Minimum substrate application temperature 45°F.
- Not suitable in areas of harsh chemical use or storage
- Limited pot life if left in container
- Must be re-coated within 6 hours after tack-free

## COLOR and TEXTURES

- Available in ten (10) standard colors
- Various slip-resistant textures available

## PRODUCT APPLICATION

The **Resurfacers Plus 3.0** floor system can be applied over the **VaporGard** System where hydrostatic or vapor transmissions could be a potential problem; and can be used with any of the Thermal-Chem complimentary and repair products; and can be applied as a:

- Top coat
- Seeded coating
- Self-leveling slurry (typically 1/8” thick or greater)
- Troweled overlay system (typically 3/16” thick or greater)

## CHEMICAL RESISTANCE

Refer to this product on Thermal-Chem’s separate Product Chemical Resistant Table, or for specific product chemical resistance application, contact your local Thermal-Chem representative.

## PRODUCT AVAILABILITY

This product is manufactured by and is available through Thermal-Chem Corporation, 2550 Edgington Street, Franklin Park, Illinois, 60131, USA.

Tel: 800/635-3773 ■ 847/288-9090  
 Fax: 847/288-9091  
 E-Mail: sales@thermalchem.com  
 Web Site: www.thermalchem.com

## TECHNICAL/SPECIFICATION

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 manufacture of all Thermal-Chem products to comply with the published product data. Actual product performance may vary slightly due to environmental influences and/or existing 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.