

# ARMORTRED

## PRODUCT #728

### Pigmented Epoxy Top Coat

#### PRODUCT DESCRIPTION

A two-component, 100% solids, epoxy polymer coating system for use as a **Top Coat** over **ArmorPrime** or the **ArmorBond** base coat system. **ArmorTred** is designed to be a durable, high gloss, and protective coating system that is available in variety of slip-resistant textures; and provides good impact, abrasion, and chemical resistance to most common chemicals in most light-to-medium duty industrial applications.

**ArmorTred** is formulated for interior use only and for use in temperatures above 13°C (55° F). **ArmorTred** can provide permanent long lasting protection for a number of substrates and is USDA approved for use in meat and poultry plants, meets VOC guidelines, and contains no volatiles.

**ArmorTred** can be applied as a neat mil application by a roller or as a thicker, self-priming, self-leveling slurry when combined with selected Thermal-Chem aggregates.

Degrees	Recoat Time
77°F	8-9 hrs.
60°F	14-16 hrs.

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

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).

#### PRODUCT USE

**ArmorTred** is Thermal-Chem's most economical topcoat quality resurfacer. Typical uses for the **ArmorTred** include:

- Industrial floor protection
- Warehouse floors and aisle ways
- Processing facilities
- Food prep areas
- Slip resistant coating for floors, walkways and vehicular or pedestrian ramps.

And, where ever the following properties are necessary:

- Slip-resistant safety surface
- Medium to high gloss retention
- Increased ease of maintenance
- High wearability
- Durability and lasting protection

ArmorTred Resurfacer	
Physical Characteristics	728
Hardness, Shore D	
ASTM D2240	75-85
Bond Strength	
ACI 503	>350
	100% con. failure
Impact Resistance	
ASTM D2794	160 in./lbs

Abrasion Resistance	35-45 mg.
ASTM D1044	loss
Tabor Abrasion	

CS-17 Wheel	
1000 gms. Load	
1000 cycles	
Viscosity 77 Degrees F.	600-800 cps
Viscosity 60 Degrees F.	1500-1800 cps
Compressive Strength	
ASTM D695	10,500
PSI 7 Day Cure	
Compressive Modulus	
ASTM D695	258,060
Flexural Strength	
ASTM D790	13,370
Modulus	381,300
Tensile Elongation	
ASTM D638	5.5%
Tensile Strength	8,760
Tensile Modulus	418,000
Freeze Thaw Resistance	
ASTM C666	300 Cycles Passes

### ADVANTAGES

- Volume mix ratio: 2:1
- Good resistance to most common chemicals
- Available in various slip-resistant textures
- Provides a highly durable and protective finish coat
- No offensive odors during installation
- 100% solids and VOC compliant (no solvents)
- USDA approved product
- Installed by approved applicators
- Good self-leveling qualities

### LIMITATIONS

- Requires minimum temperature of 55°F

- Excessive scratching and blows from heavy falling objects may show on surface
- Must be applied on dry surfaces only
- Restricted exposure to harsh chemicals
- Suitable only for interior applications
- Direct sunlight may cause some discoloration

### COLORS AND TEXTURES

- Available in nine (9) standard colors
- Various slip-resistant textures available

### PRODUCT APPLICATION

**ArmorTred** was designed for use with the **ArmorBond** base coat system or as a two coat thin mil system; and can be applied over the **VaporGard** for applications where hydrostatic or vapor transmissions could pose a potential hazard; and can be used with any of the Thermal-Chem companion products or repair items. **ArmorTred** can be applied as a topcoat finish for the **ArmorBond** system or as a coating system with varying textures using aluminum oxide or other aggregates; by one of the following means:

- Roller and paint tray
- Squeegee and back rolled
- Scrape troweled & back rolled
- Notch trowel or aggregate as slurry system

Refer to appropriate Thermal-Chem product Installation Guide.

### CHEMICAL RESISTANCE

Refer to Separate Product Chemical Resistance tables, 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  
Web Site: www.thermalchem.com

one hundred and eighty (180) 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.

## TECHNICAL/SPECIFICATION SERVICES

Additional Product Data, complete Technical Support and Product Specifications are all available through the 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 replace any product proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. 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