

# ARMORPRIME

## PRODUCT #726

### Two- Component Epoxy Primer

#### PRODUCT DESCRIPTION

A straw colored 100% solids, two (2) component epoxy primer used over concrete substrates to promote adhesion and to seal old or new concrete to help prevent bubbles from occurring which are typically associated with concrete out-gassing. **726 ArmorPrime** has been specifically formulated for use as a prime coat under any of Thermal-Chem's Resurfacers and topcoats and can be applied over a dry substrate down to 50°F. This system can be applied neat in a thin mil coat or as thick as 20 mils, without a blush; or it can be mixed with a fine silica to aid in filling rough and uneven concrete substrates prior to the final top coat application. 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).

**ArmorPrime** has been formulated for interior use, meets VOC and Leed requirements with only 2 grams per liter of VOCs and is USDA approved. For best results against abrasion and chemical resistance, this primer should not be used without a topcoat application.

**ArmorPrime** comes in clear and pigmented. It can also be field pigmented using our #1085 universal pigment.

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 material is applied at 20 mils in thickness.

#### USES

Either **726 ArmorPrime** or **734 ArmorPrime 100** may be used as a primer under Thermal-Chem's Resurfacers and Top coats, however, each has been formulated for different uses.

Typical uses for **726 ArmorPrime** include:

- Reduced out-gassing bubbles, due to porous and heavily abraded substrates.
- As a prime coat under **731 ArmorBond Resurfacer** and **787 DecoEssence**.
- When mixed with a fine silica aggregate, as a fill or leveling coat under one of the **Resurfacer** top coats.
- Increased adhesion capabilities for all **Resurfacers**.

#### TYPICAL PHYSICAL PROPERTIES

	ArmorPrime
Physical Characteristics	726
Hardness, Shore D ASTM D2240	78-80
Bond Strength ACI 503	>350 100% con. failure
Impact Resistance ASTM D2794	160 in./lbs.

Abrasion Resistance ASTM D1044 Tabor Abrasion CS-17 Wheel 1000 gms. Load 1000 cycles	45-50 mg. loss
Viscosity 77 Degrees F. Viscosity 60 Degrees F.	500-700 cps 1300-1600 cps
Compressive Strength ASTM D695 PSI 7 Day Cure Aggregate Filled	7,800
Compressive Modulus ASTM D695	200,200
Flexural Strength ASTM D790 Modulus	10,360 295,800
Tensile Elongation ASTM D638	6.5%
Tensile Strength	6,790
Tensile Modulus	324,100
Freeze Thaw Resistance ASTM C666	300 Cycles Passes

## ADVANTAGES

- Very good adhesion to various substrates.
- No offensive odors during application.
- USDA approved product.
- Leed compliant.
- Volume mix ratio: 2:1
- Compatible with ColorThane Universal Pigment

## LIMITATIONS

- Limited substrate temperature range during application.
- Requires a protective topcoat.
- Not suitable in areas of harsh chemical attack.
- Must be installed on dry substrates.
- Interior use only.

## COLOR and TEXTURES

- Available in straw and six colors.
- Typically a smooth, glass-like finish.
- May be field pigmented using Thermal-Chem ColorThane, a universal pigment.

(Various slip-resistant textures typically achieved with topcoat)

## PRODUCT APPLICATION

**726 ArmorPrime** can be applied over the **211 VaporGard Coating System** in applications where hydrostatic or vapor transmissions could be a potential hazard; and can be used with any of the Thermal-Chem complimentary and repair products; and can be applied as a:

- Neat system by squeegee and back rolling

Refer to appropriate Thermal-Chem product Installation Guide.

## 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 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 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.