ARMORBOND
PRODUCT 730

Epoxy Polymer Flooring Systems

PRODUCT DESCRIPTION

A two (2) component, 100% solids epoxy polymer Base Coat system for medium and general use applications where a normal cure formulation can be tolerated. Blended with select aggregates, this system can be trowel applied as an overlay system or applied as a slurry system with optional broadcast aggregate. 730 ArmorBond, when coated with one of the appropriate topcoats, provides very good impact, abrasion and chemical resistance characteristics.

730 ArmorBond is formulated specifically for interior use on dry substrates and in application temperatures at not less than 13°C (55°F); and meets VOC regulations.

730 ArmorBond is a self-priming system for slurry applications or can be applied neat as a primer for troweled overlays. This system can be installed with a monolithic cove base to create a seamless and sanitary installation that complies with USDA regulations.

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

730 ArmorBond is available in normal cure only.

Degrees  Recoat Time
ArmorBond
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

Typical uses for the 730 ArmorBond Base Coat System include:
- Industrial flooring
- Warehouse aisle ways
- Some processing facilities
- Wastewater treatment facilities
- Laboratories
- Commercial kitchens

And, wherever the following flooring properties may be necessary:
- Slip-resistant surface
- Increased ease of maintenance
- Good abrasion resistance
- Durability and sanitary protection

TYPICAL PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical Characteristics</th>
<th>ArmorBond</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore D</td>
<td>80-85</td>
</tr>
<tr>
<td>ASTM D2240 Bond Strength</td>
<td>&gt;350</td>
</tr>
<tr>
<td>ACI 503</td>
<td>100% con. failure</td>
</tr>
<tr>
<td>Impact Resistance</td>
<td>160 in./lbs</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>33-35 mg.</td>
</tr>
<tr>
<td>ASTM D1044 Tabor Abrasion</td>
<td>loss</td>
</tr>
<tr>
<td>CS-17 Wheel 1000 gms. Load</td>
<td></td>
</tr>
<tr>
<td>1000 cycles</td>
<td></td>
</tr>
<tr>
<td>Viscosity 77 Degrees F.</td>
<td>500-700 cps</td>
</tr>
<tr>
<td>Viscosity 60 Degrees F.</td>
<td>1300-1600 cps</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>10,800</td>
</tr>
<tr>
<td>ASTM D695</td>
<td></td>
</tr>
</tbody>
</table>
**ADVANTAGES**
- Good resistance to many common chemicals
- Monolithic installation with integral cove base
- Self-priming product (except troweled applications)
- Provides a highly durable and protective flooring system
- Installed by approved applicators
- No offensive odors during installation
- USDA approved
- Volume mix ratio: 2:1

**LIMITATIONS**
- Direct sunlight will cause some discoloration
- Requires a protective top coat
- Must be installed on dry surfaces only
- Only available in normal cure
- Limited substrate temperature range during installation
- Not suitable in areas of harsh chemical use
- Does not contain same pigment load as top coat systems

**COLOR and TEXTURES**
- Available in nine (9) standard colors
- Various slip-resistant textures available
- May be field pigmented using Thermal-Chem’s ColorThane universal pigment.

**PRODUCT APPLICATION**
The ArmorBond Base Coat System can be applied over the 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:
- Slurry or Slurry/Broadcast System - typically 1/16” thickness or greater
- Troweled Overlay System - typically 3/16” thickness or greater

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
Website: www.thermalchem.com

**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 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.