

**PRODUCT DESCRIPTION**

Polyurea 5073 is a fast drying Polyurea Topcoat designed for use over concrete garage floor coatings and a wide range of other concrete floor coatings and stains. Polyurea 5073 is 73% solids and allows film thickness to build in excess of standard systems with water clarity and mirror like smoothness and gloss. 5073 has a lower viscosity that makes it very easy to apply while providing an even longer pot life and a faster cure when applied out onto the surface.

The cross linking of the 5073 series film in the cure makes it exceptionally tough and durable, maintaining its gloss far beyond that of comparable systems. The chemistry is based upon Polyurea and much attention has been given to the application characteristics in its formulation. As a result, Polyurea 5073 is extremely user friendly without having sacrificed the performance of the finished product. The applications for this product are almost limitless. 5073 is suited for use on high end residential applications, retail settings with high traffic or food service areas where stain resistance and clean ability are paramount. 5073 is resistant to deterioration by ultra violet rays emitted by sunlight or high intensity lighting systems.

**COMPOSITION**

Special proprietary blend of 100% solids urethane, wetting agents, adhesion promoters and other additives.

**ADVANTAGES**

- High Build – 73% solids
- Under 50 g/L VOC
- High Gloss
- Excellent UV Resistance
- Good Resistance to Most Chemicals
- Skydrol Resistant
- Non Yellowing
- Will Cure at Temperatures Just above Freezing
- Accelerators are Available

**LIMITATIONS**

- 5073 is a combustibile and proper ventilation should be used during its application
- Requires moisture vapor barrier for surfaces with a MVT of 3lbs or higher
- Will not bridge cracking
- Not resistant to strong acids

- Do not use over Acrylic sealer/primer unless they are de-glossed first

**AREAS OF USE**

- Garage Floors
- Retail Floors
- Industrial Floors
- Any Concrete Floor
- Most Previously Coated Floors – consult with manufacturer

**COLORS**

- Clear
- Smooth High Gloss “Mirror Like” Film

**RECOMMENDED COVERAGE RATES**

| <i>Over Surface</i> | <i>First Coat</i> | <i>Second Coat</i> |
|---------------------|-------------------|--------------------|
| 1/4” Flakes         | 200 SF/gal        | 250 SF/gal         |
| 1/8” Flakes         | 150 SF/gal        | 200 SF/gal         |
| 1/16” Flakes        | 125 SF/gal        | 175 SF/gal         |

**PACKAGING**

- 2-Gallon Unitized Kit
- Available in 10-Gallons Bulk Kit

**FINISHES**

Smooth High Gloss Film

**AVAILABILITY AND COST**

VBP Products are supplied direct and all prices, install guides, etc. are viewable online at [www.garagecoatings.com](http://www.garagecoatings.com).

**INSTALLATION**

Refer to manufacturers detailed System Installation Guide.

**MAINTENANCE**

Maintain the 5073 to a minimum thickness of 4 dry mils. If the 5073 is damaged, it can be repaired by sanding the surface, cleaning and then recoating the area with same materials.

**TECHNICAL SERVICES**

Technical services can be obtained by contacting: VBP direct at 714-829-2600.

**TEMPERATURE**

Product was tested at ambient temperature (75°F -77°F). Results WILL vary when product is used at temperatures different from testing temperature. The pot life, gel time, and cure time is generally longer for colder temperature applications, and shorter for higher temperature applications. Physical properties are also impacted and dependent upon temperature.

**DISCLAIMER**

All information provided in this technical data sheet is based on laboratory data. It is the responsibility of the customer to test the material for their application and conditions prior to using the product.

**TECHNICAL DATA**

**Properties**

|                                    |                   |
|------------------------------------|-------------------|
| <b>Mix Ratio (A:B)</b>             | 1:1               |
| <b>Color</b>                       | Clear             |
| <b>% Solids</b>                    | <b>73%</b>        |
| <b>VOC</b>                         | <b>&lt;50 g/L</b> |
| <b>Pot Life (75°F, 2 gal mass)</b> | <b>55 mins</b>    |

**Cure Time**

|              |           |
|--------------|-----------|
| Dry to Touch | 3-5 hours |
| Through Cure | 12 hours  |
| Recoat Time  | 6-8 hours |
| Full Cure    | 5-7 days  |

|                                                |                                   |
|------------------------------------------------|-----------------------------------|
| Shore D Hardness (ASTM D2240)                  | 80                                |
| Adhesion (ACI 503R)                            | 300 p.s.i (100% concrete failure) |
| Abrasion (ASTM D4060)                          | 3mg lost                          |
| QUV Test (ASTM G154-1) QUV 85% Gloss Retention | 100%                              |

**Chemical Resistance**

|              |                |
|--------------|----------------|
| Acetone      | No Effect      |
| Xylene       | No Effect      |
| 10% HCl      | No Effect      |
| Ammonia      | No Effect      |
| Skydrol      | No Effect      |
| Vinegar      | No Effect      |
| Degreaser    | Faint Spotting |
| Liquid Plumr | No Effect      |
| Clorox       | No Effect      |
| Windex       | No Effect      |
| Motor Oil    | No Effect      |
| Gasoline     | No Effect      |
| Hot Tires    | No Effect      |

**SLIP RESISTANCE**

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Versatile Building Products. recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Versatile Building Products or its sales agents will not be responsible for injury incurred in a slip and fall accident.

**WARRANTY**

Versatile Building Products. (herein referred to as the "Warrantor") hereby expressly warrants to the identified Purchaser that the Product(s) identified within this document are free from material defect at the time of manufacture and sale. Warrantor warrants that the Product(s) will not fail or deteriorate due to manufacturing defect for a period of one (1) year from the date of sale to the Purchaser. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the

seller. Versatile Building Products (herein referred to as "seller") makes no warranty, expressed or implied, regarding the use of its products. Since use of this product is beyond the seller's control, the buyer assumes all risk of use. Sellers obligation shall be to replace material if found defective. Seller shall not be liable for any damage, injury, loss, direct or consequential, resulting from the use of its products. End user must determine if substrate is suitable for coating application before installing.