



SPEC DATA SHEET

5000 & 5073 POLYUREA SEALER

PRODUCT DESCRIPTION

PolyUrea 5000 is 100% solids and allows film thickness to build in excess of standard systems with water clarity and mirror like smoothness and gloss. PolyUrea 5073 is built on the same technology except we have reduced it to 73% solids. 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 5000 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, Poly Urea 5000 & 5073 are extremely user friendly without having sacrificed the performance of the finished product. Because the 5000 product is not flammable and has a very mild odor, we expect it to be the product of choice when working in and around areas where an offensive odor is an issue. The applications for this product are almost limitless. 5000 and 5073 are suited for use on high end residential applications, retail settings with high traffic low odor requirements or food service areas where stain resistance and clean ability are paramount.

COMPOSITION

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

ADVANTAGES

- 5000, 100% Solids, 5 VOC
- 5073, 73% Solids, 50 VOC
- Low Odor
- High Gloss
- High Build
- 5000 is Non Flammable
- Good Resistance to Most Chemicals
- 5073 is Skydrol Resistant & has Better Overall Chemical Resistance
- 5073 is Non Yellowing, 5000 has Slight Yellowing when exposed to exterior UV.
- Will Cure at Temperatures Just above Freezing
- Accelerators are Available

LIMITATIONS

- 5073 is 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 Sealers or Acrylic Primers 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

PACKAGING

Packaged

2-Gallon Unitized Kit
5 Gallon Bulk

COVERAGE

Over Flat Surface at an

Average of 4.5 Mils for 5000 and 3.3 Mils for 5073
375 ft/Gal - 468 ft/Kit

Over Flake (more surface area) at an

Average of 6.7 Mils for 5000 and 4.9 Mils for 5073
180-220 ft/Gal – 360-440/Kit

FINISHES

Smooth High Gloss Mirror Like Film

AVAILABILITY AND COST

Versatile Building Products are supplied through building material dealers. Prices vary with quantity and packaging. Quotations are made on request.

INSTALLATION

Refer to manufacturers detailed System Installation Guide.

MAINTENANCE

Maintain the 5000 and 5073 to a minimum thickness of 4 dry mils. If the 5000 or 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 310-632-6500 or 800-535-3325.

TECHNICAL DATA

Properties

Volumetric Mix Ratio A:B 1:1

Color Clear

Volumetric Solids

5000 100%
5073 73%

Weight Solids

5000 100%
5073 69%

VOC (Volatile Organic Compounds)

5000 5g/L
5073 8g/L

Pot Life, 1 Quart Mass, 73F, Gel Time

5000 ~45min
5073 ~60min

Cure Time

Through
5000 11.5 Hours
5073 2.5 Hours
Recoat
5000 5-7 Hours
5073 2-3 Hours
Full Cure
5000 5 Days
5073 5 Days

Hardness, Pencil

5000 F-H
5073 2H-3H

Adhesion

(ACI 503R) 300p.s.i.
(100% Concrete failure)

Chemical Resistance

5073

Acetone No Effect
Xylene No Effect
10% HCL Matting
Ammonia No Effect
Skydrol No Effect
Degreaser Faint Spot
Liquid Plummer No Effect
Clorox No Effect
Windex No Effect
Motor oil No Effect
Gasoline No Effect
Hot Tires No Effect

5073

Acetone No Effect
Xylene No Effect
10% HCL No Effect
Ammonia No Effect
Skydrol No Effect
Degreaser No Effect
Liquid Plummer 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 Inc. 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 Inc. or its sales agents will not be responsible for injury incurred in a slip and fall accident.