



# 5085 & 5085 SD Ultra High Solids Polyaspartic Topcoat

## Technical Data Sheet

### PRODUCT DESCRIPTION

5085 and 5085 SD (Slow Dry) 2-component, clear Ultra High Solids Polyaspartic Topcoats are designed to provide an ultra-high build topcoat in a single application. 5085 and 5085 SD are low VOC topcoats with low viscosity designed to provide great flow and leveling for installations requiring a high build mirror like finish in a single coat. These products have longer pot life than traditional High Solids Polyaspartics and the working time makes it easier to apply than many other Polyaspartic Systems. In real world trials, we have received reports of working times of 35-50 minutes in temperatures ranging up to 80 degrees with 61% humidity. This product is ideal for a squeegee and back roll process when coating over Roll on Rock® Flaked floors.

The cross linking of the 5085 series film in the cure makes it exceptionally tough and durable, maintaining its gloss far beyond that of comparable systems. 5085 is extremely user friendly without having sacrificed the performance of the finished product. The applications for this product are almost limitless. 5085 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. 5085 SD is designed to be a slower curing product that allows the applicator more time to apply the product. Use 5085 SD in hot humid conditions or when topcoating over a solid color or Lava Flow®. The 5085 SD is an ideal product that can be applied by roller and brush over solid color floors at application rates of 250 square feet per gallon.

### COMPOSITION

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

### COLORS AND FINISH

- Clear & 11 Colors in Pigment Packs
- Smooth High Gloss Film

### ADVANTAGES

- High Build – 85% solids
- Under 50 g/L VOC
- Low Odor
- High Gloss
- Available is Slow Dry Version
- Good Resistance to Most Chemicals
- UV Resistant—Suitable for Exterior Use
- Non-Yellowing
- Will Cure at Temperatures Just above Freezing
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### LIMITATIONS

- 5085 & 5085 SD are 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
- Exterior Floors
- Most Previously Coated Floors – consult with manufacturer

### RECOMMENDED COVERAGE RATES

<i>Over Surface</i>	<i>First Coat</i>	<i>Second Coat</i>
Solid	150-175	175-200
Metallic	SF/gal	SF/gal
Flakes	150-175 SF/gal	175-200 SF/gal

### PACKAGING

- 2 or 3-Gallon Unitized Kit
- Available in 10-Gallons Bulk Kit



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### AVAILABILITY AND COST

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

### TECHNICAL PROPERTIES

Volumetric Mix Ratio (A:B)	1:1
% Solids	85%
VOC	<50 g/L
Pot Life (75°F, 2 gal mass)	55 mins
Cure Time	
Dry to Touch	3-6 hours 5-8 hours (SD)
Recoat Window	6-8 hours 8-16 hours (SD)
Full Cure	5-7 days
Shore D Hardness (ASTM D2240)	75-80
Adhesion (ACI 503R)	350 p.s.i (100% concrete failure)
Abrasion (ASTM D4060)	2.78mg lost

### 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

### 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.

### INSTALLATION

Refer to manufacturers detailed System Installation Guide.

### MAINTENANCE

Maintain the 5085/5085SD to a minimum thickness of 4 dry mils. If the 5085/5085SD is damaged, it can be repaired by sanding the surface, cleaning and then recoating the area with same materials.

### 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.

### 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.



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### **WARRANTY**

Versatile Building Products Inc guarantees that this product is free from manufacturing defects and complies with our published specifications. 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 Inc (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. Seller's 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.

### **TECHNICAL SERVICES**

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