

5205 Polyurea Topcoat Sealer Technical Data Sheet

PRODUCT DESCRIPTION

5205 Hybrid Polyurea is a very fast drying clear primer/sealer designed for use over concrete floors. It is also well suited as the first thin coat over a flaked garage floor as it will allow the applicator to apply the second clear topcoat in 30 minutes, providing a higher build floor with minimal down time. This unique technology allows for more than 45 minutes of potlife, yet the material dries in as little as 30 minutes when applied to the floor. When used as a clear concrete sealer, 5205 has water clarity and mirror like smoothness and gloss. 5205 also 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 5205 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, 5205 is extremely user friendly without having sacrificed the performance of the finished product. The applications for this product are almost limitless. 5205 is suited for use on garage floors when a 1 day two topcoat system is desired, high end residential applications, and retail settings with high traffic 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.

AREAS OF USE

- Garage Floors
- Retail Floors
- Industrial Floors
- Exterior Surfaces
- Most Previously Coated Floors – consult with manufacturer

ADVANTAGES

- Medium Build – 66% solids
- 9 g/L VOC
- High Gloss
- Good Resistance to Most Chemicals
- Non Yellowing
- Will Cure at Temperatures Just above Freezing

LIMITATIONS

- 5205 is a combustible 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

COLORS AND FINISH

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

RECOMMENDED COVERAGE RATES

<i>Over Surface</i>	<i>First Coat</i>	<i>Second Coat</i>
1/4" Flakes	250 SF/gal	300 SF/gal
1/8" Flakes	200 SF/gal	250 SF/gal
1/16" Flakes	150 SF/gal	200 SF/gal
Smooth	250-275SF/gal	225-275SF/gal

PACKAGING

- 1.5-Gallons Unitized Kit
- Available in 15-Gallons Bulk Kit

AVAILABILITY AND COST

VBP Products are supplied direct and all prices, install guides, etc. are viewable online at www.versatile.net.

INSTALLATION

Refer to manufacturers detailed System Installation Guide.



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TECHNICAL PROPERTIES

Volumetric Mix Ratio (A:B)	1:1
% Solids	66 %
VOC	9 g/L
Pot Life (75°F, 1.5gal mass)	45 mins
Cure Time	
Dry to Touch	1 hours
Recoat Window	1-2 hours
Full Cure	5-7 days
Pencil Hardness (ASTM D3363)	2H-3H
Adhesion (ACI 503R)	300 p.s.i (100% concrete failure)
Abrasion (ASTM D4060)	2mg lost
QUV Test-Gloss Retention (ASTM G154-1) QUV 85%	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

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.

TECHNICAL SERVICES

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

MAINTENANCE

Maintain the 5205 to a minimum thickness of 4 dry mils. If the 5205 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.

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. 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.