

5350 Chemical Resistant Urethane Technical Data Sheet

PRODUCT DESCRIPTION

5350 CRU is a durable 2 component Chemical Resistant Urethane Floor Coating that is used for industrial concrete floor coatings. 5325 CRU is formulated to have less than 50g/L VOC. The Chemical Resistant Urethane coating is used in and over Industrial Floor Areas that include Aircraft Hangars, Service Bays, Petroleum Refineries, Chemical Processing Plants, Wastewater Treatment Plants, Power Utilities, Pulp and Paper Plants, and Pharmaceutical Facilities. 5350 will provide great protection to Concrete Floors and Concrete Floor Coatings. 5350 offers great chemical resistance, excellent cleanability, and superior appearance for all types of Concrete Floors. 5350 can be used as a smooth, high quality topcoat over most systems or as a stand-alone Floor Coating System for flat work applications.

COMPOSITION

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

COLORS AND FINISH

- Clear
- Smooth High Gloss Film

AREAS OF USE

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

ADVANTAGES

- 60% Solids, <50 g/L VOC
- High Gloss
- Medium Build
- Good Resistance to Most Chemicals
- Skydrol Resistant
- Non Yellowing.
- Will Cure at Temperatures Just above Freezing

LIMITATIONS

- 5350 is 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 Sealers or Acrylic Primers unless they are de-glossed first
- Topcoats must be applied over it while tacky or screening/sanding of the 5350 will be required in order to get proper tooth for the topcoat to bond to

RECOMMENDED COVERAGE RATES

<i>Over Surface</i>	<i>First Coat</i>	<i>Second Coat</i>
Smooth	300 SF/gal	350 SF/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.

MAINTENANCE

Maintain the 5350 to a minimum thickness of 4 dry mils. If the 5350 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.



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TECHNICAL PROPERTIES

Volumetric Mix Ratio (A:B)	2:1
% Solids	64 %
VOC	<50 g/L
Pot Life (75°F, 1.5gal mass)	45 mins
Cure Time	
Dry to Touch	1-2 hours
Recoat Time	2-4 hours
Full Cure	5-7 days
Pencil Hardness (ASTM D3363)	2H-3H
Abrasion (ASTM D4060)	2 mg lost
Flammability	Self-extinguishing over concrete

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.

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. 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.