



5400 Waterborne Chemical Resistance Urethane Technical Data Sheet

PRODUCT DESCRIPTION

5400 is a Clear Waterborne Chemical Resistant Urethane Concrete Floor Coating that exhibits excellent wear and U.V. Stability when installed over concrete floors found in garages or commercial areas. The film build, gloss and chemical resistance are comparable to solvent based systems, yet without the intense odor associated with them or the high V.O.C. levels. New technologies allow us to produce a waterborne product that is much higher in solids as well as attain thicker film build with no out-gassing problems that its predecessors were notorious for. This allows the applicator to use the product during normal business hours where customers or neighboring tenants won't be disturbed by an offensive solvent odor, yet not sacrifice any of the physical properties we expect from the urethanes we are all so familiar with. 5400 is a very popular 2k Urethane Topcoat option for garage floor coatings.

COMPOSITION

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

COLORS AND FINISH

- Clear
- Available in Gloss and Matte Finish

AREAS OF USE

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

ADVANTAGES

- Low Odor
- Non-Flammable
- Very low V.O.C. content
- Outstanding Chemical Resistance
- Excellent Gloss Retention
- Stain Resistance
- U.V. Stable – Non-yellowing

LIMITATIONS

- Will not bridge cracking
- Requires minimum temperature of 55F and 5F over dew point during installation and initial cure cycle.
- Do not apply thicker than 10 wet mils in a single coat or film may go white
- Do not apply outside of pot life window

RECOMMENDED COVERAGE RATES

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

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 5400 to a minimum thickness of 4 dry mils. If the 5400 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	Gloss – 61%L Matte – 64%
VOC	Gloss – 45 g/L Matte – 47g/L
Pot Life (75°F, 1.5gal mass)	60 mins
Cure Time	
Dry to Touch	8-10 hours
Recoat Window	10-24 hours
Full Cure	5-7 days
Pencil Hardness (ASTM D3363)	H-2H
Abrasion (ASTM D4060)	3 mg lost
Adhesion (ACI 503R)	350 p.s.i (100% Concrete failure)
Flammability	Self-extinguishing over concrete

Chemical Resistance

Acetone	No Effect
Xylene	No Effect
10% HCl	No Effect
Ammonia	No Effect
Skydrol	Faint Spotting
Vinegar	Faint Spotting
Degreaser	No Effect
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.