



SPEC DATA SHEET

5400

WATERBORNE CHEMICAL RESISTANT URETHANE

PRODUCT DESCRIPTION

5400 is a Waterborne Chemical Resistant Urethane that exhibits excellent wear and U.V. Stability. 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 water based 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.

COMPOSITION

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

ADVANTAGES

- Low odor
- Non Flammable
- Very low V.O.C. content
- Outstanding chemical resistance
- Excellent gloss retention
- Stain resistant
- 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
- Do not apply outside of pot life window

AREAS OF USE

- Garage Floors
- Industrial Floors
- Retail Floors
- Any Concrete Floor where offending fumes and odor are a problem

COLORS

Clear

PACKAGING and COVERAGE

| | |
|-----------|----------------------------------|
| 5400 | 200-300 ft/gal |
| Packaging | 1.5 -Gallon Kit 5 Gallon Bulk |

FINISHES

Smooth High Gloss Film

AVAILABILITY AND COST

Versatile Building Products materials 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 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.

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 | 2:1 |
| Volumetric Solids | 59% Gloss 59% Matte |
| Weight Solids | 62% Gloss 64% Matte |
| VOC (Volatile Organic Compounds) | 45 g/l Gloss 7 g/l Matte |

Pot Life, 1 Quart Mass, 70F, Gel Time 60-90 min

Cure Time

| | |
|--------------|-------------|
| Dry to Touch | 3-6 Hours |
| Recoat | 12-24 Hours |
| Full Cure | 7 Days |

Hardness

| | |
|-------------------------|------|
| Pencil (ASTM D 3363) | H 2H |
|-------------------------|------|

Abrasion Resistance

| | |
|--|-------------|
| | 16 mgs lost |
|--|-------------|

(ASTM D 4060, CS 17, 1KG, 1000 cycles)

Flammability Self extinguishing over concrete

Chemical Resistance Consult Rep.

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.