

4195 Technical Data Sheet

Direct to Concrete Epoxy

PRODUCT DESCRIPTION

Versatile Building Products 4195 is a low VOC 95% solids epoxy pigmented "Direct to Concrete Epoxy" designed to eliminate moisture vapor emissions and provide a good base to broadcast acrylic flakes into. 4195 has been well received by the garage floor coating installer since it eliminates the need for a separate primer. 4195 develops strong bond strength to concrete, even under cool, damp conditions. 4195 is typically used as the primer/body coat for Roll On Rock® System 2 Garage Floor Coating. It may also be used as a vapor reduction and odor barrier beneath carpet, VCT, and ceramic tile. 4195 may also be used as a standalone sealer.

COMPOSITION

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

ADVANTAGES

- Bonds to damp surfaces
- Cures under cool wet conditions
- 95% Solids
- 30 VOC
- Low odor
- Can be accelerated for low temperature or 1 day installs

LIMITATIONS

- Will not bridge cracking
- Yellows under U.V. lighting

AREAS OF USE

- Garage Floors
- Industrial Floors
- Any Concrete Floor
- Previously Coated Floors

COLORS

9 Standard Colors

PACKAGING and COVERAGE

4195	150-225 ft./Kit
Packaged in	1-Gallon Unitized Kit

FINISHES

Smooth High Gloss Film

AVAILABILITY AND COST

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

INSTALLATION

Refer to manufacturers detailed System Installation Guide.

MAINTENANCE

Maintain 4195 to a minimum thickness of 4 mils. If the 4195 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 714-829-2600.

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. Accelerator packs are available for this product.

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.

TECHNICAL DATA

Properties

Volumetric Mix Ratio A:B	3:1
Volumetric Solids	92%
Weight Solids	95%
VOC (Volatile Organic Compounds)	30g/L
Pot Life 1 Gal Mass, 77°F, Gel Time	60min

Cure Time

Dry to Touch	10-12 Hours
Through Cure	14-16 Hours
Recoat	up to 24 Hours
Full Cure	5-7 Days

Gel Time (hours) 7.75

Tensile Strength (ASTM D 638) 8,600p.s.i.

Flexural Strength (ASTM D 790) 11,200p.s.i.

Compressive Strength (ASTM D 695) 10,100p.s.i.

Pencil Hardness H-2H

Adhesion (ACI 503R)
450 p.s.i (100% Concrete failure)

Water Vapor Transmission
(ASTM E96) Procedure B 0.5395 perms
0.2272 grain/hr-ft2

Flammability

Self-extinguishing over concrete

Chemical Resistance

Acetone	Slight Spotting
Xylene	No Effect
10%HCL	Spotting
Ammonia	No Effect
Degreaser	Faint Spotting
Liquid Plummer	Faint Spotting
Vinegar	Faint Spotting
Clorox	Faint Spotting
Windex	No Effect
Motor Oil	No Effect
Gasoline	No Effect
Skydrol	Faint Spotting
Hot Tire	No Yellowing

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 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 or its sales agents will not be responsible for injury incurred in a slip and fall accident.

WARRANTY

Versatile Building Products, (herein referred to as the "Warrantor") hereby expressly warrants to the identified Purchaser that the Product(s) identified within this document are free from material defect at the time of manufacture and sale. Warrantor warrants that the Product(s) will not fail or deteriorate due to manufacturing defect for a period of one (1) year from the date of sale to the Purchaser. 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 (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.