



4195 Direct to Concrete Epoxy Technical Data Sheet

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. Due to the "Wicking Technology", 4195 eliminates the need for a separate primer, allowing the installer to broadcast media directly into the first coat. 4195 develops incredible bond strength to concrete, even under cool, damp conditions. 4195 is typically used as the primer/body coat for the Roll on Rock® System. 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 temperatures or allowing for 1-day install

LIMITATIONS

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

AREAS OF USE

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

COLORS and FINISH

- 10 Standard Colors
- Smooth High Gloss Film

RECOMMENDED COVERAGE RATES

<i>Over Surface</i>	<i>First Coat</i>	<i>Second Coat</i>
Concrete	150-225 SF/gal	175-250 SF/gal

PACKAGING

- 1-Gallon Unitized Kit
- Available in 20-gal 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.

TECHNICAL PROPERTIES

Volumetric Mix Ratio (A:B)	3:1
Volumetric % Solids	92%
Weight % Solids	95%
VOC	30g/L
Pot Life (75°F, 1 gal mass)	60 mins
Cure Time	
Dry to Touch	8-12 hours
Recoat Window	12- 24 hours
Full Cure	5-7 days
Pencil Hardness (ASTM D3363)	H-2H
Tensile Strength (ASTM D638)	8,600 p.s.i
Flexural Strength (ASTM D790)	11,200 p.s.i
Compressive Strength (ASTM D695)	10,100 p.s.i
Adhesion (ACI 503R)	450 p.s.i (100% concrete failure)
Water Vapor Transmission (ASTM E96 Procedure B)	0.5395 perms 0.2272 grain/hr-ft ²
Flammability	Self-extinguishing Over concrete



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Chemical Resistance

Acetone	Slight Spotting
Xylene	No Effect
10% HCl	Spotting
Ammonia	No Effect
Skydrol	Faint Spotting
Vinegar	Faint Spotting
Degreaser	Faint Spotting
Liquid Plumr	Faint Spotting
Clorox	Faint Spotting
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.

MAINTENANCE

Maintain the 4195 to a minimum thickness of 4 dry mils. If the 4195 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. 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.