



4750 Lava Flow® Epoxy Technical Data Sheet

PRODUCT DESCRIPTION

4750 Lava Flow® Epoxy is a 100% solids epoxy that is used in conjunction with the Lava Flow Packs for a decorative metallic epoxy flooring. This metallic flooring provides a very unique floor finish that has uniform color shift and movement that can be modified by the installer. The 4750 Lava Flow® Epoxy is designed to be an easy to install product that can offer very similar results each time it is applied. It also exhibits great chemical and wear resistance. This can be used as a stand-alone metallic epoxy flooring sealer and does not require a separate topcoat. However, an additional topcoat maybe applied if desired to protect it from scuffing, walk-off patterns, or to increase UV resistance for a long-lasting finish.

COMPOSITION

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

ADVANTAGES

- 100% Solids, low VOC
- Low odor
- High gloss
- Good resistance to most chemicals

LIMITATIONS

- Requires moisture/vapor barrier
- Will not bridge cracking
- Yellows under direct UV exposure and wavelength lighting including Fluorescent

AREAS OF USE

- Garage Floors
- Decorative Concrete Floors
- Industrial Floors
- Commercial Floor
- Retail Floors

COLORS AND FINISH

- Clear
- Smooth High Gloss Film

RECOMMENDED COVERAGE RATES

<i>Over Surface</i>	<i>First Coat</i>
Smooth	66 SF/gal

PACKAGING

- 1.5-Gallons Unitized Kit
- Available in 15-Gallons Bulk Kit

AVAILABILITY AND COST

Versatile 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)	2:1
% Solids	99.6 %
VOC	4 g/L
Pot Life (75°F, 1.5gal mass)	30 mins
Cure Time	
Dry to Touch	6-8 hours
Recoat Window	8-24 hours
Full Cure	5-7 days
Shore D Hardness (ASTM D2240)	80
Tensile Strength (ASTM D638)	4,800 p.s.i
Flexural Strength (ASTM D790)	9,800 p.s.i
Compressive Strength (ASTM D695)	8,700 p.s.i
Elongation (ASTM D638)	5.4%
Adhesion (ACI 503R)	350 p.s.i (100% concrete failure)
Abrasion (ASTM D4060)	41.2mg lost
Flammability	Self-extinguishing Over concrete



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Chemical Resistance

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

MAINTENANCE

Maintain the 4750 to a minimum thickness of 10 dry mils. If the 4750 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 Versatile direct at 714-829-2600.