



PolyVers International
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Product Data Sheet

VersaGrout 200 Epoxy Concrete Restoration & Re-Build

Product Description- *PolyVers VersaGrout 200* is a specially formulated, 100% solid, epoxy concrete restoration and re-build product designed to repair heavily damaged concrete or re-construct areas where a quicker turn-around or improved chemical resistance is necessary.

Uses- *PolyVers VersaGrout 200* is ideal for areas where traditional cementitious products are inadequate due to hydration requirements, length of cure time, lack of chemical resistance, or lower compression and flexural strength. *VersaGrout 200* can be formed, molded or shaped, making it ideal for vertical installation, re-construction of key features, repair of damaged concrete, or new construction.

Ideal for Applications In-

- Pump Pads
- Extensive concrete repair
- Chemical troughs
- High traffic areas
- High impact areas
- Curbs
- Fillets

Advantages-

- Non-Shrink
- 100% solid
- Convenient packaging
- Specially formulated aggregate
- High compressive and flexural strength
- Good chemical resistance

Physical Properties-

Mix Ratio	Volume	3 Part A : 1 Part B
Solids Content	Weight	100%
Compressive Strength	ASTM C-579	8,000 - 10,000 psi
Tensile Strength	ASTM C-307	4,000 - 5,000 psi
Flexural Strength	ASTM C-580	6000 - 7000 psi
Density		125 lbs/cu ft
Working Time	22°C (72°F) – 24°C (75°F)	20 - 30 minutes
Cure Time (Floor Traffic)	22°C (72°F) – 24°C (75°F)	8 -12 hours
Chemical Service	22°C (72°F) – 24°C (75°F)	24-36 hours
Coefficient of Thermal Expansion	ASTM C-531	20 x 10 ⁻⁶ in/in°F

Application Guidelines-

TEMPERATURE CONSIDERATIONS

1. Throughout the application process the surface temperature should remain above 50°F.
2. Store all materials (Parts A & B and aggregate) at 16°C (60°F) – 27°C (80°F) for at least 24 hours prior to use.

SURFACE PREPARATION OF CONCRETE

1. Surface must be free of dirt, dust, oil, grease, chemical and other contaminants immediately prior to applying **VersaGrout 200**.

2. New concrete should be cured a minimum of 28 days.
3. Concrete must be structurally sound and must not contain any accelerators or curing compounds.
4. Remove all surface laitance and exposed sound concrete. Abrasive cleaning recommended.
5. Any existing coating should be completely removed.
6. Honeycomb and form voids on vertical surfaces may be filled using **VersaGrout 200**.

PRIMING

VersaGrout 200 requires the use of a primer. This step is necessary to achieve adhesion between the substrate and the blended aggregate filled epoxy being applied.

PolyVers PV 31 should be used for cooler temperatures 10°C (50°F) – 21°C (70°F) or **PolyVers** PV 30 for temperatures above 21 °C (70°F). Refer to the respective Data Sheets for application instructions.

MIXING AND APPLICATION

Required Tools

Jiffy type mixer & trowel

Instructions for VersaGrout 200 Restoration System

1. Combine units of 'A' & 'B' into the provided 3.5 gallon pail and mix with jiffy type mixer.
2. Add 20 lbs. of blended aggregate and mix until all particles are wet and composition is uniform.
3. Slowly start adding from the additional 5 lb bag of blended aggregate until desired thickness is achieved.
4. Be aware that the provided 25 lbs. of blended aggregate may not all be required as viscosity will vary according to temperature.

Packaging-

VersaGrout 200 is available in 25 square foot kits. Aggregate is specifically blended for use in **VersaGrout 200** and available from **PolyVers** in 50 pound bags. Theoretical coverage is as follows:

Kit Size	Thickness	Part A	Part B	Aggregate
25 sq ft kit	1/8"	1/2 gallon	1 pint	(1) 20 lb bag & (1) 5 lb bag

Coverage rates will be affected by the condition of the surface being coated and skill of the applicator. Containers are packaged at ratio for a 15 square foot kit and will not arrive full.

Shelf Life- Keep **VersaGrout 200** components tightly sealed in their original containers until ready for use. Store components A & B and aggregate between 16°C (60°F) – 27°C (80°F). Properly stored **VersaGrout 200** has a shelf life of one year.

Clean Up- **VersaGrout 200** may be removed from tools and equipment using xylene or MEK.

Safety- Avoid contact with eyes and skin. Do not ingest or inhale. When working with **VersaGrout 200** always wear chemical goggles, rubber gloves, and appropriate work clothes. Prolonged or repeated exposure to **VersaGrout 200** may cause skin irritation or allergic reactions. Refer to the MSDS regarding individual components, additional safety precautions, and proper clean up procedures.

Preparation and Installation- Regard **PolyVers** specifications for Spray Polyurea, for detailed preparation and installation procedures. Substrate priming is not required on all metals, consult **PolyVers** for recommendations.

Technical Services-Sales and Customer Support (913) 321-9000

Warranty- **PolyVers International** will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.