



INSTALLATION SOLUTIONS

GB-0174-1.1 Rev. 3

ADHESIVE V-100 EPOXY GROUT PRODUCT DATA

Adhesive V-100® Epoxy Grout is a two-component, 100% solids, BGE and VOC-free, epoxy resin system. This versatile, easy-to-handle adhesive has a paste-like consistency, short cure time and bonds to most surfaces.

Packaging/Yields:

Adhesive V-100® Epoxy Grout, 3.2# Kit 0.33 Cu. Ft. (58 Cu. In.)

Adhesive V-100® Epoxy Grout, 24.5# Kit 0.26 Cu. Ft. (450 Cu. In.)

Adhesive V-100® is an ideal choice for:

- Bonding steel plates to concrete, wood, plastic, ceramics, and fiberglass
- Industrial filling or patching
- Vertical and overhead surfaces
- Crack repair
- Packaged in a convenient kit, consisting of one-part resin and one-part hardener.

Surface Preparation - remove all oil, grease, or contaminated concrete. Scarify concrete surfaces to expose the large aggregate. Concrete surfaces must be clean and dry. Metal surfaces should be sand blasted to a "white metal" condition. The grout must be placed within 24 hours of sandblasting for best adhesion.

Mixing - To use, mix in a separate container in equal portions of resin and hardener at a 1:1 ratio-by-volume. Be sure to use separate trowels for the resin and hardener to avoid contamination. Mix thoroughly and apply. Do not mix both containers together unless you are using all the adhesive in one application within the allowed working time. Containers with unmixed material can be resealed for future use. Mixed adhesive cannot be resealed for future use.

Placement Time - Adhesive V-100 Epoxy Grout (the time you have before it sets) will vary according to the air temperature. Average placement time at 72°F is approximately 45 minutes for (1) pint of mixed material. In cooler weather you have more time to work with the material; in warmer weather you have less time.

Cure Time - Average at 4-5 hours at 72°F. Air temperature above and below 72°F, product storage temperatures, as well as the temperature of the surface on which the adhesive is being applied, will affect cure time. Pre-warming the parts or surfaces will accelerate the cure time, but do not heat the surface above 100°F



Adhesive 2-Part Kits, 24.5# Kit (left), 3.2# Kit (right)

Physical Properties @ 72°F (22°C)

Compressive Strength		
(ASTM D-695)	1 Day	10,700 psi
Tensile Strength		
(ASTM D-638)		3,700 psi
Flexural Strength		
(ASTM D-790)		6,500 psi
Heat Deflection Temperature		
(ASTM D-648)		147°F
Maximum Service Temperature		
		200°F
Hardness (Shore D)		
(ASTM D-2240)		87
Gel Time (ASTM D-2471)		
	14 fl. oz.	1 hour @ 72°F
	1/16 in.	2 hours @ 72°F
Recommended Thickness		.80mm to 6mm