



INSTALLATION TECHNOLOGIES

SHIP-SAFE STANDARD V-100 EPOXY GROUT



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Reformulated version of Standard V-100 Epoxy Grout which may be shipped under non-hazardous classification, eliminating delays and haz-mat fees. Also complies with E/U non-hazardous shipping regulations.

As with all the V-100 family of grouts, Ship-Safe Standard V-100 offers excellent physical properties, mixing and placing characteristics.

A two component, 100% solids, flowable epoxy resin system for applications requiring high strength, high resistance to impact and chemical resistance. Other materials, such as concrete or weaker grouts may develop structural flaws when subjected to high concentrated loads.

Ship-Safe Standard V-100 is an excellent choice for:

- Grouting machine bases
- Setting anchor bolts
- Setting leveling wedges
- Setting sole plates
- Repairing deteriorated foundations

The rapid strength development of Ship-Safe V-100 permits loads to be applied sooner after grouting than with other materials.

IMPORTANT ADVANTAGES:

PERMANENCE

Eliminates the need for periodic re-grouting. Saves downtime, labor and lost production. Resistance to oils, greases, acids, alkalis and solvents is much greater than that of cement-based materials. Tensile strength is at least 10 times

that of concrete and the compressive strength is about 5 times that of concrete.



NEW SHIPS NON-HAZARDOUS

PACKAGING

Ship-Safe Standard V-100 is packaged in a kit with the base resin packed in an oversized container large enough to serve as a mixing vessel. The hardener portion of the kit is added to the base resin at the job site. A stirring paddle is included, which will fit a standard 1/4" electric drill. After a mix time of 2-3 minutes a 10-15 minute working time remains for placement of the material.

EASY, FLOW-INTO-PLACE INSTALLATION

Flows into spaces as small as 1/2" under machines and fills in completely before solidifying.

REGROUTS

No need to move equipment or break connections. Just raise equipment 1/2" to 3/4" and regROUT with Ship-Safe Standard V-100.

TYPICAL POUR DEPTH

Thickness 1/4" up to 1" (unconfined), up to 1 1/2" under plate. (Multiple layers may be used for thicker pours.)

SMOOTHER MACHINE OPERATION

Ship-Safe Standard V-100 survives impact and vibration as well as reinforced rubber materials and will not delaminate under the most severe shock loads.

FAST CURE

At 77° F, a 1/2" thickness will set up for use in 8 hours.

CURE TIME:

The cure time (the time before the grout is strong enough for use) will also depend on the air temperature and the temperature of the floor and machinery being grouted. The average cure time from the last pour to machinery start-up will be 8 hours at 77°F. In cool weather, the grout will cure and develops strength more slowly than in hot weather. Remember that the temperature of the foundation concrete must be taken into account along with the air temperature when assessing the cure time needed.

PACKAGING/YIELD

11# Kit = .10 cu. ft. (181.5 cu. in.)
22# Kit = .21 cu. ft. (363 cu. in.)
55# Kit = .53 cu. ft. (907.5 cu. in.)

Physical properties shown are the result of independent laboratory testing performed per industry recognized test procedures. Laboratory properties aid in determining suitability of the product for the intended application. Field test results may vary due to procedures or ambient conditions such as temperature and humidity. Laboratory reports are available on request.

Consult the specific Material Safety Data Sheets (MSDS) for all safety data.

PHYSICAL PROPERTIES

Color	Gray Green
Compressive Strength (ASTM D-695)	
8 hours	4,000 psi
1 day	9,200 psi
3 days	13,000 psi
7 days	15,000 psi
Compression Modulus (7 days)	348,000 psi
Tensile Strength (ASTM D-638)	3,900 psi
Heat Deflection Temperature (ASTM D-648)	133° F
Maximum Service Temperature	175° F
Placement time (@ 72° F)	10-15 min.
Tensile Modulus	362,000 psi
Mixed Viscosity	10,000 cps
Specific Gravity	1.7
Hardness (Shore D)	86
Density (cured)	105 lbs./cu. ft.
Creep Test (ASTM C-1181)	
600 psi @ 150° F cured 24 hours @ 70° F 16 hours @ 150° F	1.98 x 10 ⁻² in./in.
Coefficient of Thermal Expansion (ASTM D-696)	2.0 x 10 ⁻⁵ in./in./°F

