



G-10 EPOXY GROUT

FAST SETTING, HIGH STRENGTH EPOXY GROUT KIT

SPECCO G-10 Epoxy Grout is a pre-measured, three component unit consisting of Part A base, Part B hardener and Part C aggregate. **G-10 resin** is 100% solids, solvent free and moisture insensitive. The aggregate (Part C) is tinted light gray for closer color match to concrete substrates. **G-10 Epoxy Grout** provides a very high strength and is formulated as a foundation grout for heavy equipment and machinery such as generators, rolling mills, pulverizers, heavy compressors and other heavy equipment. **G-10 Epoxy Grout** is also suitable for patching and repair of concrete and masonry surfaces.

BENEFITS:

- **Very high early strengths and ultimate compressive strengths**
- **Solvent free formulation for low odor applications**
- **Pre-measured components for easy mixing and uniform batching consistency**
- **Ideal choice for repairs requiring a high compressive strength at an early stage with limited downtime**

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credits 5.2:** Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location: Lemont, Illinois 60439. 90% Content- Harvested within 500 miles.

PHYSICAL DATA at 70°F (21°C):	APPROXIMATE VALUES :
Composition-Part A (Resin):	100% solids, liquid epoxy resin- solvent free
Composition-Part B (Cure):	Liquid aliphatic amine cure
Composition-Part C (Aggregate blend):	Mix of selected processed aggregate gradations
Weight per gallon-Part A (Resin):	9.10 lb./gallon
Weight per gallon-Part B (Cure):	8.50 lb./gallon
Weight per gallon (Mixed with aggregate):	9.50 lb./gallon
Color-Part A (Resin):	Clear-Gardner Scale = 3 max
Color-Part B (Cure):	Amber-Gardner Scale = 7 max.
Color-Part C (Aggregate):	Light gray blend
Mixing ratio (A to B):	5 parts A to 1 part B - by volume
Pot life:	10 to 15 minutes
Initial cure:	3 to 4 hours
Tensile strength: ASTM D-638	1995 psi @ 24 hours
Tensile strength: ASTM D-638	2317 psi @ 7 days
Compressive strength: ASTM D-695	11,375 psi @ 24 hours
Compressive strength: ASTM D-695	11,675 psi @ 3 days
Compressive strength: ASTM D-695	11,950 psi @ 7 days
Water absorption @ 28 days:	0.00%
Volume change:	0.35% expansion
Yield per mixed unit:	Small unit = 0.40 ft ³ / Large unit = 2.00 ft ³

SURFACE PREPARATION: Surfaces must be structurally sound, clean, dry and free of dust, dirt, oils, salts, laitance and other contaminates. Remove defective concrete, cavities, cracks, voids and other defects by routing to sound material. Sandblast, shotblast or acid etch surfaces to provide a clean absorptive substrate. Sandblast steel to a minimum gray metal finish and protect the steel from moisture following sandblasting. Forms for base plates and machinery bases should be set to allow for rapid and continuous placement and complete filling of the space with **G-10 Epoxy Grout**. Support elements should be anchored so that no movement is possible. Forms should be tight and left in place for the positive expansion of the grout. Edges of concrete to be grouted shall be cut back to form a uniform butt.





MIXING: Small (0.40 ft³) units: Combine the **0.83** gallon of Part A “resin” to the **0.17** gallon of Part B “hardener”, in a clean mixing container (5 gallon pail) and mix thoroughly at slow speed with an electric drill and paddle (jiffy) mixer. After 2 minutes of mixing, add Part C aggregate (**40.00** lb.) and continue mixing until a uniform consistency is obtained. The G-10 Epoxy Grout mixed consistency is designed to be of a plastic (trowelable), but not pourable.

Mixing: Large (2.00 ft³) units: Combine **4.15** gallons of Part A “resin”, to **0.85** gallon of Part B “hardener”, in a clean mixing container (suggested 6 gallon “oversize” pail) and mix thoroughly at slow speed with an electric drill and paddle (jiffy) mixer. After 2 minutes of mixing, transfer the mixed epoxy to a traditional mortar mixer and immediately add Part C “aggregate” (**5-40 lb. bags = 200.00 lb. total**) and continue mixing until a uniform consistency is obtained. Transfer to buckets and place the mixed epoxy grout within 10-15 minutes.

DIRECTIONS FOR USE: Apply the mixed **G-10 Epoxy Grout** by trowel or screed to the cleaned concrete surface. Try to place the material on one side of the repair area to avoid air entrapment. Rods and plungers may be used to facilitate placement.

CAUTIONS: Test applications are always recommended before using on any large scale projects to ensure correct application and job requirements are met. **G-10 Epoxy Grout is a fast setting epoxy resin and therefore the end user should always work quickly to mix and place the material within 10-15 minutes.** Do not apply G-10 Epoxy Grout in temperatures below 50° F or to frozen frost filled or damp surfaces. Keep away from heat, sparks or open flame. Note that when using less Part C “aggregate in the mix, the material will tend to flow more easily into the repair area, but overall yield will decrease accordingly.

GHS HAZARD RATINGS: DANGER



IRRITANT

RESPIRATORY TRACT IRRITATION.



HEALTH HAZARD

TOXIC TO AQUATIC LIFE



HEALTH HAZARD

CORROSIVE LIQUID

WARNINGS: HEALTH HAZARD & IRRITANT: AVOID INGESTION, SKIN AND EYE CONTACT AND INHALATION OF THE VAPORS. AVOID CONTACT WITH SKIN AND EYES. WEAR PROTECTIVE CLOTHING AND SAFETY GLASSES DURING APPLICATION. USE WITH OSHA/NIOSH APPROVED AIR (VAPOR) RESPIRATOR. KEEP AWAY FROM FOOD AND DRINK. DO NOT TAKE INTERNALLY. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

REFER TO PRODUCT S.D.S. (SAFETY DATA SHEET) FOR FIRST AID INFORMATION, OR ANY RELATED HEALTH AND SAFETY INFORMATION BEFORE USING THIS PRODUCT. FOR MEDICAL EMERGENCIES ONLY, CALL INFOTRAC @ 800-535-5053.

H.M.I.S. CODES:

Component A: HEALTH = 2, FLAMMABILITY = 1, REACTIVITY = 0, P.PROTECTION = G.
Component B: HEALTH = 3, FLAMMABILITY = 1, REACTIVITY = 0, P.PROTECTION = G
Component C: HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, P.PROTECTION = E

SHIPPING NAMES:

Component A: Epoxy Resin / CAS# 025085-99-8 / Not currently regulated by D.O.T.
Component B: Aliphatic Amine / CAS# 111-40-0 Diethylenetriamine - DETA
Component C: Bled of Cement / CAS#65997-15-1 & Crystalline Silica CAS# 14808-60-7

SHIPPING CLASS: ORM-D status (under 66 lb. total gross weight/package)

ITEM 155250, SUB 2, Freight Class 65-Epoxy Based Grout for Concrete

STORAGE: Ideal storage is between 60° to 80° F. Keep from freezing.

SHELF LIFE: 2 year stored properly. Depending on storage conditions, the shelf life may be extended.

PACKAGING:

Small unit: 0.40 ft³

= 0.83 gallons Part A (resin), 0.16 gallon Part B (cure) and 40 pound Part C (aggregate) packed inside a single pail-
Approx. shipping weight = 48 lb. gross



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Large unit: 2.00 ft3

= 4.15 gallons Part A (resin), 0.83 gallon Part B (cure), and 5-40 pound bags Part C (aggregate)-packed individually
Approx. shipping weight (combined total) = 258 lb. gross (6 pieces)

WARRANTY: Specco Industries Inc (Specco) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Specco, no other representations or statements made by Specco or its representatives, in writing or orally, shall alter this warranty. **SPECCO MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If any Specco product fails to conform with this warranty, Specco will replace the product at no cost to Buyer. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** Specco does not authorize anyone on its behalf to make any written or oral statements which in any way alter Specco's installation information or instructions in its product literature or on its packaging labels. **Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through Specco. Specco has no control over Specco application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any Specco products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of Specco's products for the Buyer's intended purposes.** Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

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