

G-10 EPOXY GROUT

FAST SETTING, HIGH STRENGTH EPOXY GROUT KIT

PRODUCT DESCRIPTION: 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 gray tinted processed aggregate. G-10 Epoxy Grout is fast setting, provides 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: FAST SETTING...HIGH EARLY STRENGTH... SOLVENT FREE...PRE-MEASURED FOR EASY MIXING... IDEAL CHOICE FOR REPAIRS REQUIRING A HIGH COMPRESSIVE STRENGTH, AT AN EARLY STAGE, WITH LIMITED SUBSTRATE DOWNTIME

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:		0.345 cubic feet

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 to be grouted. 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: Premix Specco G-10 Epoxy Grout Part A and Part B separately. Combine five parts of Part A base, to one part of Part B hardener, in a clean mixing container and mix thoroughly using a slow speed motor and paddle mixer. Immediately add Part C aggregate and mix until a uniform mixture is obtained. For a flowable grout consistency, use only 1/2 of the Part C aggregate provided with the mixed resin.

DIRECTIONS FOR USE: Apply the mixed G-10 Epoxy Grout by trowel or screed to the cleaned concrete surface. When less Part C aggregate is used in the mix, the material will flow and may be poured into place.

CAUTIONS: 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.

WARNINGS: Avoid contact with skin and eyes. Wear protective clothing and safety glasses during application. Keep away from heat, sparks and open flame. Use with adequate ventilation. Keep away from food and drink. Do not take internally. G-10LVHM contains an alkaline amine. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

H.M.I.S. CODES:

Component A: HEALTH = 2, FLAMMABILITY= 1, REACTIVITY = 0, P. PROTECTION = E

Component B: HEALTH = 3, FLAMMABILITY= 1, 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

SHIPPING CLASS: ITEM 155250, SUB 2, LTL 65 CONCRETE BINDER

PACKAGING: One units consists of: 0.62 gallons Part A
 0.12 gallons Part B
 37.50 pounds Part C

All kit components are packaged in a single, 5 gallon bucket

STORAGE: 50° to 90° F

SHELF LIFE: 2 years properly stored

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

Revised – 01-07