

## G-10 FAST SET EPOXY RESIN HIGH STRENGTH EPOXY BINDER

**PRODUCT DESCRIPTION:** Specco G-10 Fast Set Epoxy Resin is a two component, 100% solids, moisture insensitive epoxy resin compound formulated as a low viscosity, high modulus adhesive and mortar binder.

G-10 Fast Set Epoxy Resin is fast setting, provides very high strength, and exhibits outstanding chemical and abrasion resistance. Use G-10 Fast Set Epoxy Resin to seal cracks and as an epoxy mortar overlay or patching material for vertical or horizontal repairs.

**BENEFITS:** FAST SETTING... SOLVENT FREE...PRE-MEASURED FOR EASY MIXING... ..HIGH EARLY AND ULTIMATE COMPRESSIVE STRENGTHS

PHYSICAL DATA @ 70 °F (21°C):	APPROXIMATE VALUES:
Composition -Part A:	100% solids liquid epoxy resin
Composition -Part B:	Liquid amine cure
Color: (Mixed)	Clear, straw colored liquid
Mixing ratio (A&B):	5:1
Pot life:	10-15 minutes
Initial cure:	3-4 hours
Tensile strength 24 hours:	1,995 psi
Tensile strength 7 days:	2,317 psi
Compressive strength 24 hours:	11,375 psi
Compressive strength 3 days:	11,675 psi
Compressive strength 7 days:	11,950 psi
Water absorption @ 28 days:	0.00%

**TECHNICAL DATA:** Formulated to meet ASTM C-881 specifications for Types 1, 2, 4, 5, Classes B, C, Grade 1

**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.

**MIXING:** Premix Specco G-10 Fast Set Epoxy Resin 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. Do not aerate the mix. Increased volume and temperature will shorten pot life. For mortar, mix up to 35 lbs. of clean #20 or #30 silica or quartz sand per ¾ gallon unit of mixed G-10 Fast Set Epoxy Resin.

**DIRECTIONS FOR USE:** To use G-10 Fast Set Epoxy Resin as an adhesive to bond new concrete to old concrete. Spread mixed G-10 Fast Set Epoxy Resin with a brush, roller or squeegee in a uniform, thin layer over the cleaned surface. The new concrete must be placed while G-10 Fast Set Epoxy Resin is still tacky.

To use G-10 Fast Set Epoxy Resin as a skid resistant overlay, spread mixed material over the cleaned concrete surface with a squeegee. Immediately follow with a light roller pass to eliminate puddles and achieve uniformity. Broadcast aggregate into the G-10 Fast Set Epoxy Resin before it becomes tacky. Following initial cure, approximately 4 hours, repeat the application for a second coat. A third coat is required for heavy duty traffic.

To use G-10 Fast Set Epoxy Resin for horizontal or vertical patching, prime surfaces with mixed G-10 Fast Set Epoxy Resin then trowel or screed G-10 Fast Set Epoxy Resin mortar to the primed surface while the primer is still tacky.

**COVERAGE:** One ¾ gallon unit will cover approximately 70 square feet or fill approx. 173 cubic inches of void.

**CAUTIONS:** Material must be mixed with mechanical agitation for proper dispersion and cure. Do not apply G-10 Fast Set Epoxy Resin in temperatures below 50° F or to frozen, frost filled or damp surfaces. Keep away from heat, sparks or open flame. Use with adequate ventilation. Keep container tightly closed when not in use

**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-10 Fast Set Epoxy Resin 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

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

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

**PACKAGING:** 3/4 gallon units

**PACKAGING:** One units consists of:   0.625 gallons Part A  
  0.125 gallons Part B

**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.

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