

300 EPOXY PASTE

HIGH VISCOSITY, NON SAG EPOXY GEL FOR CONCRETE REPAIRS

PRODUCT DESCRIPTION: *Specco 300 Epoxy Paste* is a two component, 100% solids, moisture insensitive, non-sag epoxy resin. *Specco 300 Epoxy Paste* is formulated as a high strength, high modulus, adhesive and mortar binder. Use *300 Epoxy Paste* to seal cracks and secure injection ports prior to pressure grouting, for vertical and overhead repairs of structural concrete, and for grouting dowels, bolts and pins when high early strength is needed. *Specco 301 Epoxy Paste* can be mixed with aggregate to yield a high-strength epoxy mortar.

BENEFITS:

- Can be used for vertical or overhead repairs, will not sag
- Excellent adhesion to concrete, masonry, metal and wood
- Available in dual, 20 oz. cartridges for easy gun/ static mixing and precise applications
- High early bond strength verses cement options

LEED CREDIT CONSIDERATIONS: MR Credits 5.2: Regional materials-Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee, Il. 60901. 90%. Content- Harvested within 500 miles

COMPOSITION:

Part A:	Modified, gelled epoxy resin
Part B:	Modified, gelled amine cure

PHYSICAL DATA:	PROPERTIES @ 77F (25 ° C):
Color Part A:	Pigmented White
Part B:	Pigmented Gray
Mixing ratio (A&B):	1:1 by volume
Viscosity(mixed):	Gel
Pot life:	25-30 minutes
Tack free time @ 40 degrees F:	3 hours
Tack free time @ 73 degrees F:	2 hours
Tensile strength: ASTM D-638	6,000 psi
Tensile elongation @ break: ASTM D-638	3-4%
Flexural strength: ASTM D-790	8,000 psi
Shear strength: ASTM D-732	2,500 psi
Bond strength 48 hours: ASTM C-882	2,400 psi
Compressive strengths @ 73 degrees F:	
4 hours:	6,500 psi
24 hours:	7,800 psi
7 days:	9,200 psi

TECHNICAL DATA: Formulated to meet **ASTM C-881 specifications for Types I, II, IV, V, VI, VII, Classes B, C, D, E, F Grade 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 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: CARTRIDGE UNITS: Remove the two small end cap clips located directly under threads, attach a static mixing nozzle (1/2 inch minimum diameter required), then thread in place with the retain nut until tight. Once the discharge process has begun, the material must be applied continuously within 5-6 minutes or the epoxy can set in the nozzle.

GALLON UNITS: Combine one part of Part A (resin) *Specco 300 Epoxy Paste* to one part of Part B (cure) in a clean container and mix thoroughly using a slow speed motor and paddle mixer. Scrape the sides and bottom of the container during mixing. Do not aerate the mix. Increased material volume and temperature will shorten pot life. For mortar, mix one gallon by loose volume of #20 mesh silica or quartz sand to one gallon of mixed *300 Epoxy Paste*.

DIRECTIONS FOR USE: To use *300 Epoxy Paste* as a structural adhesive, spread mixed epoxy paste with a brush, squeegee or trowel in a uniform thin layer over the cleaned concrete or metal surface. Secure the bonded unit firmly into place until the adhesive has cured. Glue line should not exceed 1/8".

- To use *300 Epoxy Paste* for sealing cracks and anchoring injection ports when injection grouting, spread a band of mixed epoxy paste approximately 1/4" thick over the crack to be injected and around all injection ports. Allow sufficient time for the *301 Epoxy Paste* to set before pressure injecting with *Specco 101LV Crack Injection Epoxy*
- To use *300 Epoxy Paste* to anchor dowels, bolts and pins, the annular space around the bolt should not exceed 1/8". The depth of embedment is typically 10-15 times the bolt diameter.
- To use *300 Epoxy Paste* for vertical and overhead patching, first prime the surfaces with mixed neat epoxy paste, then trowel the mixed mortar to the primed surface while the primer is still tacky.

COVERAGE: Approximately **100 square feet per gallon**.

CAUTIONS: Maintain unmixed material temperatures above 50° F for best results. Mix 1 part resin (component A) to 1 part cure (component B) until uniform gray color is obtained. Make sure there are no color streaks after mixing before applying. Do not apply *300 Epoxy Paste* in temperatures below 32° F or to frozen, frost filled or damp surfaces. Keep away from heat, sparks and open flame.

GHS HAZARD RATINGS: DANGER



Irritant: **Respiratory Tract Irritation.**



Health Hazard: **Reproductive Toxicity**

WARNINGS: DANGER: 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. *301 Epoxy Paste* contains an alkaline amine and releases an amine odor. Use with adequate ventilation. 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

SHIPPING NAMES:

Component A: Epoxy Resin / CAS# 025085-99-8 / Not currently regulated by D.O.T.

Component B: Modified Aliphatic Amine Curing Agent / CAS# NA-Mixture Trade Secret / UN1760, Amines, Corrosive Liquid, N.O.S., HC9, PG III

SHIPPING CLASS: ITEM 33880, SUB 2, Freight Class 65- EPOXY BONDING AGENT

PACKAGING: 20 oz. dual cartridge (12 per case) or 1 gallon units (1 per case)

STORAGE: 40° to 90° F

SHELF LIFE: 1 year properly stored

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. **Revised 05-09-16**