

GEL EPOXIES

Concresive® Paste LPL (LONG POT LIFE)

Description: A two-component, 100% solids, non-sag epoxy adhesive used for vertical and overhead bonding and patching applications, and for horizontal anchoring. This non sag gel features a very long working time, bonds to damp concrete surfaces and may be extended with properly graded sands.

Application: Pinning loose or broken masonry, bonding rubber, metal, concrete, stone and other rigid materials as well as foam and other flexible materials, fairing uneven surfaces, filling gaps and joints, grouting bolts, dowels and rebar into concrete, stone and masonry, and rigid, pick proof, security sealant use.

Specifications: 85° F
Mix Ratio (volume): 2A:1B
Pot Life (1 gal.): 1 hr
Viscosity: Gel
Tack Free: 8 hrs

Compressive Yield Strength:
14 day 8,000 psi

Tensile Strength:
14 day 2,000 psi

Bond Strength (ASTM C-882):
14 day 1,500 psi

Coverage: 1 gal. yields 231 in³/gal. of epoxy paste. 1 gal. paste LPL mixed with 1 gal. by loose volume of oven-dried aggregate yields approximately 370 in³ of epoxy mortar. Smooth surfaces at 12 ft²/gal. at 1/8". Rough surfaces at 6 ft²/gal. at 1/4".

No.	Size
MB 1GPLPL	1 gal. unit, 12 lbs.

Applicable Standards:
ASTM C-881, Type I & II, Grade 3, Class C.

Concresive® Paste SPL (SHORT POT LIFE)

Description: A 2-component, 100% solids, non-sag paste epoxy adhesive used for vertical and overhead applications and for horizontal anchoring. Because of its excellent workability, it is recommended where applied loads are short term or of moderate intensity, and for application when the ambient temperature and/or concrete surface temperature is 32–50° F range. It will cure down to 25° F. Because this product provides quick curing in moderate temperatures, it may also be used between 50–70° F when rapid curing is required. It also can be used when bonding to damp surfaces. At temperatures of 32° F or less, care must be taken to assure that all ice has been removed from the surface to be bonded.

Application: Recommended for sealing surfaces prior to epoxy injection. Pinning loose or broken materials, bonding of rigid materials, fairing uneven surfaces and filling gaps and joints, grouting bolts, dowels and rebar into concrete, and for pick-proof security sealant uses.

Specifications:
Mix Ratio (volume): 2A:1B
Pot Life (1 gal.):
40° F 40 min
77° F 14 min
Viscosity: Gel
Tack Free: 2 hrs

Compressive Strength:
7 day 14,000 psi

Tensile Strength:
7 day 4,500 psi

Bond Strength (ASTM C-882):
7 day 2,300 psi

Heat Deflection: 126° F

Coverage: 1 gal. yields 231 in³ of epoxy paste. 1 gal. mixed with 1 gal. by loose volume of oven-dried aggregate yields approximately 370 in³ of epoxy mortar. Smooth surfaces at 12 ft²/gal. Rough surfaces at 6 ft²/gal. at 1/4".

No.	Size
MB 1GPSPL	1 gal. unit, 12 lbs.

Applicable Standards:
ASTM C-881, Type I & IV, Grade 3, Class A & B.

Read manufacturers' data sheets for complete specifications, installation procedures, and MSDS precautions.
Warning: Chronic health effect possible—inhalation of silica dust may cause lung injury/disease (Silicosis).
Take appropriate measures to avoid breathing dust. See page 164-165 for more information.

GEL EPOXIES

Duralcrete® Injection Gel

Description: A 2-component, non-abrasive, 100% solids, low odor, moisture insensitive epoxy resin for injection into cracks where it is not possible to surface seal the back of the crack. Ideal for automated injection equipment. Non-abrasive. High modulus. Lubricity for deep penetration. Outstanding adhesion to concrete. Gray in color.

No.	Size
TAM 2GIG	2 gal. unit, 24 lbs.

Application: Ideal for crack injection. Dowel bar, anchor bolt, and rebar adhesive. Hardened concrete adhesive. Repair concrete defects.

Applicable Standards: ASTM C-881-90; Types I, II, IV, and V; Classes B and C. AASHTO M-235.

Coverage: Coverage will vary depending on surface texture, porosity, and temperature. For anchoring, 1 neat gal. yields 231 in³ of grout. 1 gal. neat Duralcrete Injection Gel with 1 gal. dry 20/40 mesh silica sand will yield approximately 410 in³ of mortar.

Specifications: 75° F
Mix Ratio (volume): 1A:1B
Pot Life (2 gal. unit): 15–25 min
Viscosity: Flowable gel
Tack Free: 2–4 hrs

Compressive Strength (ASTM D-695):
 1 day 8,000 psi
 7 days 10,250 psi

Tensile Strength (ASTM C-638):
 14 days 7,050 psi

Tensile Elongation (ASTM C-638): 2.5%

Bond Strength (ASTM C-882):
 2 days (moist cure) 2,015 psi
 14 days (moist cure) 2,236 psi
 14 days (dry cure) 3,250 psi

Heat Deflection: 124° F

FamoCrete

Description: A gray colored Non Structural Lo Modulus Fast Setting Gel for patching cracks in concrete. FamoCrete is a 2-component resin system that comes in a single cartridge. It is 100% solids and cures quickly to form a strong bond to concrete. Ideal for vertical repairs (Non-Sag). It is easy to apply (trowelable), and has excellent adhesions for restoration to damaged areas. FamoCrete has a fast full cure time of 24 hours after application. Less than 1% VOC. Contains no solvents.

No.	Size
WV FC	6.1 fl oz single cartridge (includes nut and 2 nozzles), 12/case

Application: Can be used to fill voids or patch defects on walls. Also can be used to repair damaged areas on pillars, transitions or spalls on sidewalks, and broken or damaged areas on curbs.

Specifications: 70° F
Mix Ratio (volume): 2A : 1B
Pot Life: 2 min

Cure Time:
 Initial: 10 min
 Final: 60 min

Viscosity: Gel
Concrete Adhesion (ASTM D-4541): 500 psi
Shore "A" Hardness (ASTM D-2240): 92

Coverage: 1 each 6.1 fl. oz. cartridge yields approximately 11 in³ of gel.

Read manufacturers' data sheets for complete specifications, installation procedures, and MSDS precautions.

Warning: Chronic health effect possible—inhaling of silica dust may cause lung injury/disease (Silicosis). Take appropriate measures to avoid breathing dust. See page 164-165 for more information.

GEL EPOXIES

FAMOWOOD®

Description: FAMOWOOD® Instant Wood Repair is a 2-component polyurethane (2:1 ratio by volume) resin system that comes in a single cartridge. It is less than 1% VOC and contains no solvents. It is designed for wood restoration and repair defects such as holes, cracks and gouges, for virtually any job large or small. Can be applied on to flat, sloped and/or vertical surfaces without running, dripping or shrinking. FAMOWOOD® can be troweled for precise coverage to mirror the original surface. Product can be applied using hand-held cartridge dispensing applicators (top loading caulk gun for 6.1 fl oz./180mL) for small applications, or using metering equipment for larger industrial applications.

Application: Can be used for repair and restoration on log homes, trim work, base & crown moldings, cabinet restoration, and Marine - boat docks and pilings. Fills the voids for window replacement, deck repairs, architectural timber repairs and dry rot wood repairs.

Specifications: 70° F
Mix Ratio (volume): 2A : 1B
Pot Life: 2 min

Cure Time:
Initial: 10 min
Final: 60 min

Viscosity: Gel
Concrete Adhesion: 500 psi (ASTM D-4541)
Shore "D" Hardness: 60 (ASTM D-2240)

Coverage: 1 each 6.1 fl. oz. cartridge yields approximately 11 in³ of gel.

No.	Size
WV FW	6.1 fl oz (11.6 cu in), 12/case

Fast Set Epoxy Gel

Description: A 2 component, 100% solids, moisture insensitive epoxy resin compound also available in a convenient pre-packaged dual component cartridge kit. Features and benefits include rapid setting, high modulus, high strength, virtually no odor and moisture insensitivity.

Application: Fast turn-around epoxy injection, anchor bolt grouting, seal cracks, concrete repair, concrete adhesive, and low temperature applications.

Specifications: 75° F
Mix Ratio (volume): 1A:1B
Pot Life (60 g): 6-8 min
Viscosity: Gel
Tack Free: @ 20 mils 1½-2 hrs

Applicable Standards:
ASTM C-881; Types I, IV; Grade 3; Classes A, B.

Compressive Strength (ASTM D-695): 7 day 10,000 psi
Tensile Strength (ASTM D-638): 7 day 7,000 psi
Tensile Elongation (ASTM C-638): 2-4%

Bond Strength (ASTM C-882):
Hardened to hardened
7 day 3,000 psi

Coverage: One 8 fl. oz. cartridge will yield approximately 14 in³ of epoxy adhesive.

No.	Size
TAM FSG	8 fl. oz. cartridge, 24/case (includes nut & nozzle), 24 lbs.
Accessories	
TAM NOZSQ	½" x 7" mixing square nozzle

Read manufacturers' data sheets for complete specifications, installation procedures, and MSDS precautions.
Warning: Chronic health effect possible—inhalation of silica dust may cause lung injury/disease (Silicosis). Take appropriate measures to avoid breathing dust. See page 164-165 for more information.

GEL EPOXIES

Flexolith® Gel

Description: A 2-component, 100% solids, low modulus, moisture insensitive epoxy binder with properties which makes it suitable for use in applications where stress relief and resistance to mechanical and thermal movements are required. Formulated for low temperature applications or where rapid cure is required.

Application: Designed for use in epoxy mortar patching and repairs of vertical and overhead concrete.

Applicable Standards: ASTM C-881-90 Type III, Grade 3, Class A & B.

Specifications: 75° F
Mix Ratio (volume): 1A:1B
Pot Life: 15 min
Viscosity: Gel
Tack Free: 2-4 hrs
Compressive Strength (ASTM D-695): 5500 psi
Tensile Strength (ASTM D-638): 2200 psi
Tensile Elongation (ASTM D-638): 35%

Coverage: 1 gal. yields 231 in³ of epoxy paste adhesive and grout. 1 gal. mixed with 1 gal. by loose volume of oven-dried aggregate yields approximately 346 in³ of epoxy mortar.

No.	Size
TAM 2GFLEXG	2 gal. unit, 24 lbs.

Masco Hi-Mod Gel

Description: A 100% solids, two component moisture insensitive epoxy structural adhesive system. Has a unique high modulus of elasticity. Gel-like consistency and an easy mix ratio of 1:1 = A: B. Fast setting provides high early strength. Insensitive to moisture before, during and after cure. Provides excellent adhesion to most structural materials. Low temperature cures as low as 40° ft.

Application: When mixed with salt-free, kiln-dry silica aggregate will produce a sag-resistant mortar for both vertical and overhead patching of interior surfaces. Gel like consistency is an excellent structural adhesive for bonding of mating or non-mating surfaces where the glue line will not exceed 1/8". Recommended to grout anchor bolts, to seal cracks, and to set injection ports prior to injection grouting.

Applicable Standards: Conforms to ASTM C-881-87, Type I and IV, Grade 3, Class B & C, AASHTO M-235-86.

Specifications: 75° F
Mix Ratio (volume): 1A:1B
Pot Life: 30 min
Viscosity: Gel
Tack Free: 4 hrs
Compressive Strength (ASTM D-695): 7 day 10,000 psi
Shear Strength (ASTM D-732): 7 day 3,500 psi
Tensile Elongation: 3%
Flexural Strength (ASTM D-790): 14 day 5,500 psi
Bond Strength (ASTM C-882): 14 day 2,400 psi

Coverage: 1 gal. yields approximately 231 in³ of epoxy paste. 1 gal. Hi-Mod Gel mixed with 1 gal. by loose volume of oven-dried aggregate yields approximately 370 in³ of epoxy mortar. Smooth surfaces at 12 ft²/gal at 1/8". Rough surfaces at 6 ft²/gal at 1/4".

No.	Size
MS 2GHMG	2 gal. unit, 24 lbs.

Read manufacturers' data sheets for complete specifications, installation procedures, and MSDS precautions.

Warning: Chronic health effect possible—inhalation of silica dust may cause lung injury/disease (Silicosis). Take appropriate measures to avoid breathing dust. See page 164-165 for more information.