



Magmaflow Grout-Pak(hot)

Magmaflow Grout-Pak(hot) is a 3-component, 100% solids, modified epoxy system formulated to produce a high strength, moisture-insensitive, chemical resistant epoxy grout. B Component contains an accelerator allowing good cure development down to 25°F. Meets requirements of Florida DOT Section 926, Type Q - Compounds to protect the anchorages of post-tensioning tendons or bars. . Meets the requirements of ASTM C881, Type, I,II,IV, Grade Grade 2, Class , A&B.

Advantages

- Pre-proportioned units
- High Flowability and fill characteristics
- Good chemical, corrosion and impact resistance
- Excellent Adhesion
- Low temperature curing capabilities
- Excellent bearing area for even distribution of loads

Packaging

1/2 cu. Ft. unit - Component A (Resin) Component B (Curing agent) Component C (Aggregate).

Color – Concrete Gray

Property	Specification Values	Test Method
Compressive Strength Cubes 7 day Cure @ 73°F	>10,000psi	ASTM C 579B
Tensile Strength @ 7 Day	>2,100psi	ASTM C 307
Flexural Strength @ 7 Day Cure @ 77°F	>3600 psi	ASTM C 580
Modulus of Elasticity @ 7 Day Cure @ 77°F	<2,100,000 psi	ASTM C 580
Coefficient of Thermal Expansion @ 74° to 210°F	<20 X 10-6 in./in./°F	ASTM C 531
Peak Exotherm, Specimen 12" X 12" X 3"	200° F	ASTM D 2471
Slant Shear @ 7 days Bond Strength to Concrete	>3000 psi	ASTM C 882
Thermal Compatibility	Passed	ASTM C 884
Linear Shrinkage @ 7 days	< 0.025%	ASTM C 531
Flowability and Bearing	> 90 % Contact area	ASTM C 1339
Gel Time Specimen 12" X 12" X 3"	<4:00 (hr.)	ASTM D 2471

Compressive Properties	ASTM C-579		
Compressive Strength, psi	25°F	73°F	80°F
8 hour	3400	9,500-	9,500
16 hour	7,200	11,200	11,200
24 hour	9,800	14,000	14,000
3 day	13,600	16,500	16,500
7 day	14,000	16,500	16,500

SURFACE PREPARATION

Substrate must be clean, sound, and free of standing water. Remove dust, laitance, oils, grease, curing compounds and any foreign substances that may interfere with adhesion. Remove by mechanical means (i.e., sandblasting, grinding, bush hammering). Sandblast metal surfaces for maximum adhesion.

Minimum surface preparation for steel is grinding or mechanical wire brushing.

Mix and apply grout ASAP to prevent oxidizing.

LIMITATIONS

Minimum application and substrate temperature 25°F. Conditioning all components to 60°+ will assure good flow properties. Minimum grout depth is 1/2 inch. Maximum grout depth is 12 inches. If more than 12 inches is required, pour in lifts after first lift has developed initial cure. Cold material has reduced flow properties.

Mix only complete units.

FORMING

Magmaflow Grout-Pak has a tenacious bond to most materials. Forms must be coated with a bond breaking polyethylene or a paste wax. Seal forms with putty, caulking or foam – forms must be liquid tight. Prepare forms with a 2” head to facilitate placement. Attaching a grout box to the form can enhance flowability.

MIXING

Aggregate must be completely dry.

Remove from the pail all three components. Pour the A & B Component into the pail & mix with a “Jiffy Mixer” blade attached to a 3/4 drill motor for two minutes. Immediately add ½ of the aggregate and mix, add remaining aggregate mix again for 2-3 minutes. Pour the mixed grout into forms without delay.

CLEAN-UP

Clean tools and equipment with Pilgrim #5 Cleaner.

STORAGE

Store inside in tightly closed containers at moderate temperatures. Shelf life is two years in original packaging.

HANDLING PRECAUTIONS

For Industrial Use Only! Warning! May produce skin irritation and on prolonged contact may cause serious skin dermatitis. Skin contact should be avoided by use of protective clothing such as rubber gloves and eye protection. Any skin coming in contact with resin should be washed thoroughly with soap and water.

Eye contact should be avoided; should it occur, flush thoroughly with water for at least 15 minutes.

WEAR PROTECTIVE CLOTHING, GOGGLES, GLOVES, etc.

Consult Material Safety Data Sheets.