

PRODUCT NAME

Fibre-Patch™ Grout ST

Silica Fume Enhanced Grout (Anchor)



MANUFACTURER

Gemite® Products Inc.

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FEATURES

- Non-shrink
- Excellent bond strength
- Crack resistant
- Excellent grouting of concrete anchors
- Nontoxic
- Nonflammable
- Impact resistant
- Silica fume enhanced

PRODUCT DESCRIPTION

Basic Use

Fibre Patch Grout ST is used in grouting applications and in concrete and masonry repair. It is an excellent product for grouting anchors.

Composition and Materials

A cement based, microsilica enhanced composition. The material is fluid, pumpable and exhibits an excellent bond to clean, structurally sound concrete. Supplied as a concentrate consisting of dry chemical additives mixed on site with water, sand and cement and applied by pumping or pouring into formed cavities. It is also available as a premix containing sand and cement.

Limitations

Do not apply *Fibre Patch Grout ST* when the temperature is expected to be below 4°C (40°F) within 48 hours after application. When using *Fibre Patch Grout ST* in winter, enclose the area and provide electrical heaters to keep the temperature above 4°C (40°F). Follow “hot weather concreting” procedures when applying *Fibre Patch Grout ST* at temperatures exceeding 25°C. The proper surface preparation is essential for successful *Fibre Patch Grout ST* application. Gemite Technical Service must be consulted before starting a project to ensure that the correct surface preparation and application procedures are followed and the correct grout is selected.

Health and Safety

Fibre Patch Grout ST is nontoxic. Your skin might be sensitive to hydraulic cement. We recommend use of rubber gloves. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water. Seek medical advice if irritation occurs. Harmful if digested. Keep product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information.

Color

Depending on type of Portland cement used, *Fibre Patch Grout ST* has cement gray or light gray color.

Yield

Fibre Patch Grout ST when mixed with cement and sand yields 2.65 ft³(0.075m³) per one 22 lbs (10 kg) bag mix. The 22.7 kg premix when mixed with water yields 0.46 ft³ (13 L).

Packaging

Fibre Patch Grout ST is supplied as a concentrate in 22 lbs (10 kg) bags. *Fibre Patch Grout ST* is also supplied as complete premix containing sand and cement in 50 lbs (22.7 kg) bags.

Storage and Transportation

Fibre Patch Grout ST when stored on pallets in a dry, cool area, has a shelf-life of 12 months.

TECHNICAL DATA

Compressive Strength (ASTM C 109 Modified)	6,800 to 7,300 psi 46.9 to 50.34 MPa
Modulus of Rupture (Gemite ISO TP -test procedure-006)	700 to 800 psi 4.8 to 5.5 MPa
Plastic Expansion (Volumetric)	3-4%
Flow Test Time	40 to 50 seconds

Note: The above data apply only to *Fibre-Patch Grout ST Premix*. The data for *Fibre-Patch ST Concentrate* will vary depending upon the quality of sand and cement. For anchor grouting use only *Fibre-Patch ST Premix*. *Fibre-Patch ST Concentrate* is mainly used in concrete restoration.

INSTALLATION

Surface Preparation

Remove all loose concrete, clean off all grease, laitance, dust, dirt and efflorescence. Saturate the substrate with water, but do not leave any free water in the cavities prior to application of *Fibre Patch Grout ST*. Apply the grout by pumping or pouring.

Gemite Products Inc.
December 1998

3

103062 Concrete Admixtures
Portland Cement based grouts

Mixing

Mix Design - Concentrate

Fibre Patch Grout ST Concentrate	22 lbs (10 kg)
Portland Cement Type I or III	88 lbs (40 kg)
Mortar Sand	220 lbs (100 kg)
Water	5.7 U.S.G. (22L)

Mix Design - Premix

Fibre-Patch Grout ST Premix	50 lbs (22.7 kg)
Water	0.85 US gal. (3.3 L)

Use paddle or helix screw type mortar mixer. Place mixing water in the mixer, slowly add *Fibre Patch Grout ST* dry additives to the water and mix for one(1) minute. Add sand, cement and mix for one(1) minute. Convey mixed material to point of placement in clean uncontaminated containers or use grouting pump. Portland Cement Type I can be also used; some evaluation of the cement may be required. For under water applications, *Adi-Con AWA 100* anti-washout additive must be used in the grout mixing water. The actual dosage of the additive will depend on the specific application. Please see *Adi-Con AWA 100* product data sheet and contact Gemite Products Inc. Technical Service.

AVAILABILITY AND COST

Fibre Patch Grout ST is available worldwide. Contact Gemite Products Inc. for the name of the Representative/Distributor nearest you and pricing information. Use reasonable care in transportation. Will last for one year when stored in dry areas. Protect from inclement weather when storing on site.

MAINTENANCE

None required.

WARRANTY

LIMITED WARRANTY: Gemite Products Inc. ("GEMITE") warrants that if this product proves to have manufacturing defects and GEMITE is notified of such three (3) months from the date GEMITE has shipped the product, GEMITE will replace the defective product FOB factory. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. GEMITE does not authorize

anyone, including GEMITE representatives, to make statements which may supersede, modify or supplement the information provided on its printed literature or package labels without written confirmation from the GEMITE Technical Service. Any installation proceeding without this confirmation or mis-installations of the products will void the warranty. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED OR STATUTORY AND IS STRICTLY LIMITED TO ITS TERMS. GEMITE MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY OF ITS PRODUCTS FOR ANY PARTICULAR PURPOSE. All product demonstrations are placed for illustrative purposes only and do not constitute a warranty of any kind. GEMITE SELLS ITS PRODUCTS UPON THE CONDITION THAT CUSTOMERS SHALL CONDUCT THEIR OWN TESTS TO DETERMINE THE SUITABILITY OF THE PRODUCTS FOR THE CUSTOMERS' INTENDED PURPOSES. UNDER NO CIRCUMSTANCES WILL GEMITE BE LIABLE FOR ECONOMIC, SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES OF ANY KIND WHATSOEVER ARISING OUT OF OR OCCASIONED BY THE SELECTION, USE, INSTALLATION OR REPLACEMENT OF THIS PRODUCT.

TECHNICAL SERVICE

For technical advice on the suitability of *Fibre-Patch Grout ST* for a specific application, specification assistance and application advice, contact Gemite Technical Service: USA 800-724-5944 or Canada 905-672-2020.

Short Specification

The grout be *Fibre-Patch Grout ST*, micro-fibre reinforced and silica fume enhanced grout, manufactured by Gemite Products Inc. [USA 800-724-5944], [Canada 905-672-2020]. It will be mixed and applied according to manufacturer's specifications and recommendations. Contact Gemite Products Inc., or a local Representative for specification assistance and application instructions. The suitability of the surface preparation method must be checked with Gemite Technical Service at the time of the specification preparation and before application for each project.