

PRODUCT NAME

# Gem-Grout Non-Shrink Anchor™

## Silica Fume Enhanced Grout

MANUFACTURER

Gemite® Products Inc.

Toll Free: 888-4-GEMITE (888-443-6483)

E-mail: [techinfo@gemite.com](mailto:techinfo@gemite.com)

Web Site: [www.gemite.com](http://www.gemite.com)

USA

160-3480 East Robinson Rd.

Amherst, NY 14228

Phone 888-443-6483

Fax 888-443-6329

CANADA

1787 Drew Road

Mississauga, Ontario L5S 1J5

Phone 905-672-2020

Fax 905-672-6780

FEATURES

- Non-shrink
- Excellent bond strength
- Crack resistant
- Nontoxic
- Nonflammable
- Impact resistant
- Silica fume enhanced

PRODUCT DESCRIPTION

Basic Use

*Gem-Grout Non-Shrink Anchor* is used in grouting applications and in concrete, masonry repair and anchor grouting..

Composition and Materials

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 *Gem-Grout Non-Shrink Anchor* when the temperature is expected to be below 4°C (40°F) within 48 hours after application. When using *Gem-Grout Non-Shrink Anchor* 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 *Gem-Grout Non-Shrink Anchor* at temperatures exceeding 25°C. The proper surface preparation is essential for successful *Gem-Grout Non-Shrink Anchor* application. Gemite Technical Service must be consulted before start



ing a project to ensure that the correct surface preparation and application procedures are followed and the correct grout is selected.

Health and Safety

*Gem-Grout Non-Shrink Anchor* is nontoxic. Your skin might be sensitive to hydraulic cement or the liquid additive. 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 Portland cement used, *Gem-Grout Non-Shrink Anchor* has cement grey or light grey colour.

Yield

*Gem-Grout Non-Shrink Anchor*, 22.7 kg premix, when mixed with water yields 0.46 ft3 (13 L).

Packaging

*Gem-Grout Non-Shrink Anchor* is supplied in 50 lbs (22.7 kg) bags.

Storage and Transportation

*Gem-Grout Non-Shrink Anchor* 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

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 *Gem-Grout Non-Shrink Anchor*. Apply the grout by pumping or pouring.

Gemite Products Inc.  
December 1998

3

103062 Concrete Admixtures  
Portland Cement based grouts

### Mix Design - Premix

Gem-Grout Non-Shrink Anchor Water

50 lbs (22.7 kg)  
0.85 US gal. (3.3 L)

Use paddle or helix screw type mortar mixer. Place mixing water in the mixer, slowly add *Gem-Grout Non-Shrink Anchor Premix to the water* and mix for one(1) minute. Convey mixed material to point of placement in clean uncontaminated containers or use grouting pump. 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

*Gem-Grout Non-Shrink Anchor* 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 *Gem-Grout Non-Shrink Anchor* 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 *Gem-Grout Non-Shrink Anchor*, 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.