

PRODUCTNAME

Fibre-Patch[®] RM ST

Pour able, Pumpa ble Repair Mortar



MANUFACTURER

Gemite[®] Products Inc.

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FEATURES

- non-shrink, shrink age compensation
- pumpa ble
- excellent bond strength
- crack re sis tant
- non- toxic
- non- flammable
- highly im pact re sis tant
- sil ica fume en hanced

PRODUCTDESCRIPTION

Basic Use

Fibre- Patch RM ST is used in all grouting appli ca tions and in concrete and ma sonry re pair

Composition and materials

A ce ment based, fi bre re in forced and mi crosil ica en hanced com po si tion. The ma te rial is fluid, pumpa ble and ex hib its an ex cel lent bond to clean, struc turally sound con crete. Sup plied as a con cen trate con sist ing of re in forced fi bres and dry chemi cal ad di tives mixed on site with wa ter, sand and ce ment and ap plied by pump ing or pour ing into formed cavi ties.

Limitations

Do not ap ply Fibre- Patch RM ST when the tem pera ture is ex pected to be be low 4°C (40°F) within 48 hours af ter ap pli ca tion. When us ing Fibre- Patch RM ST in win ter, en close the area and provide elec trical heaters to keep the tem perature above 4°C (40°F). Fol low “hot weather con cret ing” pro ce dures when ap plying Spray-Con WS Standard at tem peratures ex ceed ing 25°C. The proper sur face prepa ra tion is es sen tial for suc cess ful Fibre- Patch RM ST ap pli ca tion. Gemite Tech ni cal Ser vice must be con sulted be fore start ing a proj ect to en sure that the cor rect sur face prepa ra tion and ap pli ca tion pro ce dures are fol lowed.

Health and Safety

Fibre- Patch RM ST is non- toxic. Your skin might be sen si tive to hy drau lic ce ment or the liq uid ad di tive. We rec om mend use of rub ber gloves. Avoid con tact with eyes and pro longed con tact with skin. If con tact oc curs, flush im me di ate ly with wa ter. Seek medi cal ad vice if ir ri ta tion oc curs. Harm ful if di gested. Keep product out of reach of chil dren. FOR INDUSTRIAL USE ONLY. Con sult MSDS for ad di tional in for ma tion.

Colors

De pend ing on type Port land ce ment used, Fibre- Patch RM ST has ce ment gray or light gray color.

Yield

Fibre- Patch RM ST when mixed with ce ment and sand yields 0.075 m³ (2.65 ft³) per one bag mix. For some ap pli ca tions the unit can be further extended with 9 mm (3/8 in) pea gravel. Contact Gemite Tech ni cal Ser vice for fur ther in for ma tion.

Packaging

Fibre- Patch RM ST as a con cen trate is sup plied in 10 kg (22 lb) bags. Fibre- Patch RM ST is also sup plied as com plete pre mix con tain ing sand and ce ment in 22.7 kg (50 lb) bags.

Storage and Transportation

Fibre- Patch RM ST when stored on pal lets in a dry, cool area, has a shelf- life of 12 months. Pack aged _____ per pal let.

TECHNICAL DATA

Com pres sive Strength (ASTM C109 Modi fied)	33.0 to 37.0 MPa (4,800 to 5,300 psi)
Modu lus of Rup ture (ASTM C348)	5.1 to 5.8 MPa (730 to 830 psi)
Plastic Expansion (Volumetric)	3-4%
Flow Test Time	40 to 50 sec onds

INSTALLATION

Cur rent Guide Speci fi ca tion and Ap pli ca tion In struc tions con tain ad di tional in for ma tion spe cif ic to each ap pli ca tion and must be fol lowed.

Mixing

Mix De sign

Fibre- Patch RM ST Con cen trate	10 kg (22 lb)
Port land Ce ment Type III	40 kg (88 lb)
Mortar Sand	100 kg (220 lb)
Water	22 L (5.7 USG)

Use pad dle or he lix screw type mor tar mixer. Place mix ing wa ter in the mixer, slowly add Fibre- Patch RM ST dry ad di tives to the wa ter and mix for one (1) minute. Add sand, ce ment and mix for one (1) minute. Add sand, ce ment and mix until free of lumps. Add re in forc ing fi bres and mix for not more than one (1) minute. Con vey mixed ma te rial to point of place ment in clean un con tam i nated con tain ers or use grout ing pump. Port land Ce ment Type I can be also used ; some evalua tion of the ce ment may be re quired. Please con tact Gemite Prod ucts Inc. Tech ni cal Ser vice.

Gemite Products Inc.
July 1999

Application

Remove all loose concrete, clean off all grease, laitance, dust, dirt and efflorescence. Saturate the substrate with water, but do not leave puddles or surface water prior to the application of *Fibre-Patch RM ST*. Apply the grout by pumping or pouring. Apply *Fibre-Prime*, corrosion inhibiting coating, to protect the exposed reinforcement. Note: In some applications hand patching or shotcrete may be a better alternative as a method of application. Contact Gemite Technical Service for information on *Fibre-Patch OV* patching material and *Spray-Con* shotcrete.

AVAILABILITY AND COST

Fibre-Patch RM ST Concentrate and Premix are 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

A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Gemite's Head Office.

TECHNICAL SERVICE

For technical advice on the suitability of *Fibre-Patch RM ST* for a specific application, specification assistance and application advice, contact Gemite Technical Service: USA 888-443-6483 or Canada 905-672-2020.

Short Specification

The grout be *Fibre-Patch RM ST*, fibre reinforced and silica fume enhanced grout, manufactured by Gemite Products Inc. [USA 888-443-6483], [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.