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AN ISO 9001-2000 COMPANY SPECIAL GROUTING SYSTEM (SGS)

Generally cement slurry grouting is done using cement slurry and water, which is used in the proportion 1:7 or 1:10. Any efforts to increase the cement content in the slurry, which give better grouting but leads to poor grout flow. Cement and water slurry is prepared at site by the mason. At site the mason has no means to measure the quantity of cement used and quantity of water added, which leads to highly inconsistent grout, which can never be expected to give consistent or desired result.

For injection-grouting water is merely used as carrier, water content must be least; the water after evaporation leaves behind cavities which can permit leakage. The specially formulated Special Grouting System has controlled expansion feature, so that cavities left behind after evaporation of water are plugged & sealed by controlled expansion of Special Grouting System, which stop seepage completely after its injection.

The setting time of cement is a very crucial factor, with 45 minutes initial setting time the cement tends to settle down due to gravity, hence the lower cavities in the grouting matrix get plugged leaving the upper cavities unaffected.

If grouting is carried out in brick bat coba in case of sunken slabs, the negative pressure exerted due to water already present in sunken portion, exerts back pressure making grouting ineffective.

All these aspects have been considered when designing our Special Grouting System, which is designed to set within 15-20 minutes, which is the normal grouting period for domestic applications. Higher solids and binding material proportion ensure better quality of grouting. The mason at site is merely required to mix the solid contents and the 200 ml of liquid contents with 5 litre of water; this ensures best and optimum results. The special penetration in the matrix. This feature of Special Grouting System mix makes it possible to push out grout from below to stop seepage from the bathroom / toilet or terrace above. However it is best to treat the seepage from the positive side of seepage rather than the negative side.

Method of Use:

Prepare slurry using the solid contents of Special Grouting System using measured quantity of 5 litre water, mix thoroughly, empty out the contents of 200 ml bottles into the slurry prepared. This slurry must be used within 1-1.5 hrs. One unit of Special Grouting System will yield about 7.5 litres of free flowing low viscosity slurry, in case it is felt that more than one unit of Special Grouting System is likely to be required, then prepare another unit of Special Grouting System and keep ready, so that this slurry can be used immediately after the earlier slurry is grouted. There should be no interruption between two units of Special Grouting System being used. Pour or pump Special Grouting System till saturation grout. Wait half an hour for the grout to set, remove the grouting socket/nozzle, and plug this cavity using our PA Mortar TH-4.

PACKING: Special Grouting System is available in units of 3 kg & 400 ml combined laminated jute bags.

NO	PRODUCT DATA	
1	3 Part System	Part 1 3 kgs whitish powder. Part 2 200 ml Amber Liquid Part 3 200 ml Honey Coloured Liquid.
2	Shelf Life	6 month
3	Storage	Store in cool dry place.
4	Pot life	Use within 1.5-2 hours after mixing with water.
5	Constituents	Free of Chlorides, Sulphates.
6	Method of use	Mix 5 ltrs water with 3 kgs Part (1), Add 200 ml part (2) 200 ml part (3). Stir well just before pumping or pouring. Mix well & grout use 4'-6' pipe 1" dia for gravity grouting or diaphragm pump. Or use screw pump. Caution do not allow hydrostatic pressure to go beyond 0.2 – 0.3 kgs/cm ² if screw pump is used.
7	Application	Stopping leakage in sunken slabs from above or below. Stopping seepage in concrete slabs such as basements, stopping leakage in swimming pools, etc.

OTHER PRODUCTS

Coatings: Rubberised Instant Waterproof Coating • White Water Proofer • Polyurethane Coating - GHF 111 • Triple Layer Polyurethane Waterproof/ Thermal Coating • Primer Coat PU SG 104 • Top Coat PU ALK – 104 • Silver Coat PU 104 • Clear PU Lacquer (gloss) • Clear PU Lacquer (matt) • Coal Tar Epoxy CTE – 110 • Coal Tar Epoxy EP-10 • Epoxy Coating EC-111 • Primer Epoxy Coating PR 111 • Silver Coating SC 203 • Epoxy Floor Coating G-78 AND M-86 • Damp Proofer • Bitumenous Japan Paint 151 • Supreme Waterproof Cement Paint ARCem – 101 • Premium Waterproof Cement Paint ARCem – 119 • Royal Waterproof Cement Paint ARCem 1100 • Green Chromo Oxide Epoxy Primer •

Sealants : Crack Seal • Rubberised Sealer • Instaset 600 • Instaset 2000 • Instaset 2000S

Admixture: SPRMC 808 S11 B • Super Plasticizer –IWSP (M) – 101 • Super Plasticizer –IWSP (N) – 103 • Accelerator –2080 • Integral Water Proofer • IWSP –102 • I.W.P. Powder • Intrair (A.E.A) 120N • Master Plaster MP CS 101 • Block Maker BM-10 • Rapid Grout RG –117 • Tile Master TM – 1 • Anchorex 428 • Floor Hardner • Hycrete RJ – 608 • Brick Master • Super Paver • Pipe Master • Toughcrete P109 • Guniting Admixture GS-942 • Non Shrink Grout Admixture NSG A-11

Other Products : Tile Fix # 1 • Tile Fix # 1A • Tile Fix SP # 1 • Strextra NSG 110 •

Strextra - NSG 2024 • Easy Grout • Water Repellent WBWR – 2023 •

Water Repellent SBWR – 5000 • Shutter Coat for Wood & Metal •

Concrete Cure Coating – 111 • Concrete Cure Coating – 103 •

P.A. Bound • P.A. Mortar TH – 4 • PA. Mortar EF – 1 • P.A. Mortar

Slurry • Marble Fix • Floor Repair Mortar • Insta Plugging Mortar •

Pipe Joint Sealer • Tile Joint Sealer [Colour] – Red, White, Black,

Brown, Ivory, Green, Grey, Pink. • Metal Protect • RZ – Polymer

ED Mortar • Special Grouting System • Anti Hack Paint (XRG) •

Tuffar • ADMGP – 1 • P A – Resin 651XXX • Hak Safe AL 111 •

Paint Remover PR – 128 • COLGROUT Admixture CG – 101S •

Rock Splitting Grout ATC-A201 • Ready Plaster • Best Plaster Putty



It is strongly recommended that site trials be conducted using site conditions and available raw materials to evaluate the product. Since site materials and conditions are beyond our control and since above suggestions and recommendations are based on our site trials and laboratory product evaluation & trials, and since methods of use at site are beyond our control. Hence, no guarantee can either be implied or enforceable