



SUPERIOR BOND STRENGTH



INCREASE WATER RESISTANCE

ADMIX CG

TECHNICAL DATA SHEET



NON - CRACKING



NON-SHRINKING



EASY TO CLEAN



FCSC ADMIX CG IS SYNTHETIC EMULSION BASED LIQUID ADMIXTURE FOR USED IN PLACE OF WATER TO IMPROVE THE QUALITY OF CEMENT GROUTS. IT IS IDEAL FOR INTERIOR AND EXTERIOR TILE JOINT FILLING APPLICATION AND IMPROVES WATER ABSORPTION RESISTANCE, ENHANCES FLEXIBILITY & DURABILITY TO HAVE BETTER PERFORMANCE.





FEATURES AND BENEFITS

1. Prevent the growth of stain causing bacteria and fungus
2. Provides dense and strong joints which prevents the powdering and cracking.
3. Easy to clean
4. Self-curing
5. Non-shrinkage and resistance to stains.
6. Reduces colour fade issues
7. Reduces absorption and staining
8. Both for interior and exterior applications.
9. Imparts flexibility
10. Enhance compressive and flexural strength.



Works Best on

1. Ceramics tiles
2. Glazed & porcelain tiles
3. Vitrified tiles
4. Natural stones
5. Large format tiles
6. Glass mosaic tiles

Technical Information

Application Properties (SupergROUT CG + Admix CG)

Testing Properties	Test Results
Appearance/ Color	200 mlr/1 kg SupergROUT CG(by weight)
Mixed Density	1.70 ± 0.05 kg/ litre
Pot life @ 30°C	Approx. 60 minutes
Joint Width	1 – 6 mm
Sag Resistant	Non-sag
VOC Content (as per EPA 24)	< 14.20 g/ litre
Application Temperature	from +10° C to +35° C
Light Foot Traffic	24 hours
Regular Traffic	72 hours
Final Curing Time	28 days

Performance Properties

Testing Properties	Requirement	Test result
a) Compressive Strength, 28 days (EN 12808-3)	≥ 15 N/mm ²	15 – 20 N/mm ²
b) Flexural Strength, 28 days (EN 12808-3)	≥ 2.5 N/mm ²	5 - 7 N/mm ²
c) Linear Shrinkage, 28 days (EN 12808-4)	< 3 mm/m	< 0.5 mm/m
d) Water Absorption after 30 minutes (EN 128080-5)	< 5 gm	< 1 gm
e) Water Absorption after 240 minutes (EN 128080-5)	< 10 gm	< 1 gm

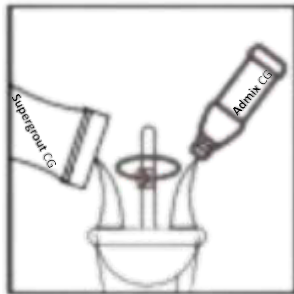
Note : Above data was obtained at 25 ± 2°C and 50% relative humidity. Data may vary depending on specific conditions at the building site, i.e. temperature, ventilation and absorbency level of the substrate and of the materials laid.



APPLICATION PROCEDURE

SUBSTRATE PREPARATION

- Joints must be clean, dry and free of dust.
- Ensure 24 hrs time interval for grouting after tile fixing.
- Emptied 2/3 of the tile thickness depth.
- Put masking tape by side of the grouting space if required.



- Shake the bottle before use
- Take Admix CG in to a bucket and add the FCSC Tile Glue in mixing condition with slow speed mixture to avoid unwanted air incorporation.
- Make sure the mixture should be uniform colour and lumps free.
- Wait 2-5 mint and remix.
- Use the paste within 60 minutes from mixing.

- Use hard rubber grout floater and press the firmly to the joint.
- Hold the floater at 90° angle and pull it diagonally at 45° angle.
- Work in small areas to have better control on removing the excess grout from joints and surface by moving the squeeze diagonally to the grout lines.
- Ensure that joint is filled completely, and grout is not just sitting on top.



- Clean off the surplus grout from tile joints and tiles within 30-45 minutes/ before the product dries.
- Initially use a rough textured sponge dampened with water to remove the grout residue.
- Use the damp sponge in a circular motion and keep it relative to the tile surface to achieve the flush joint & taking care not to drag grout from the joints.
- Clean off any light residue of tile grout left on the tile surface using an alkaline detergent/ Tile Cleaner AC without disturbing the joint finish.
- Tools and containers should be cleaned using clean water when the grout is still fresh.

Tile Dimension (mm)			Joint/ grouting Width (mm)							
Length	Width	Thickness	2	3	4	5	6	8	10	12
25	25	6	1.68	2.52	3.36	4.2	5.04	6.72	8.4	10.1
25	50	6	1.26	1.89	2.52	3.15	3.78	5.04	6.3	7.56
50	50	6	0.84	1.26	1.68	2.1	2.52	3.36	4.2	5.04
100	100	6	0.42	0.63	0.84	1.05	1.26	1.68	2.1	2.52
100	100	10	0.7	1.05	1.4	1.75	2.1	2.8	3.5	4.2
300	200	6	0.18	0.26	0.35	0.44	0.53	0.7	0.88	1.05
300	300	6	0.14	0.21	0.28	0.35	0.42	0.56	0.7	0.84
450	300	6	0.12	0.18	0.23	0.29	0.35	0.47	0.58	0.7
600	300	6	0.11	0.16	0.21	0.26	0.32	0.42	0.53	0.63
600	600	8	0.09	0.14	0.19	0.23	0.28	0.37	0.47	0.56
800	800	8	0.07	0.11	0.14	0.18	0.21	0.28	0.35	0.42
1000	1000	10	0.07	0.11	0.14	0.18	0.21	0.28	0.35	0.42
1200	600	10	0.09	0.13	0.18	0.22	0.26	0.35	0.44	0.52
1200	800	10	0.07	0.11	0.15	0.18	0.22	0.29	0.36	0.44
1200	1200	12	0.07	0.11	0.14	0.18	0.21	0.28	0.35	0.42
1600	800	12	0.08	0.12	0.16	0.2	0.24	0.32	0.39	0.47
1800	1200	12	0.06	0.09	0.12	0.15	0.18	0.23	0.29	0.35

FORMULA FOR THE COVERAGE CALCULATION

$$C = 1.75 \times H \times T \times [(L + W) / (L \times W)]$$

C - Tile grout coverage (kg/m²)

H - Thickness of tile (mm)

T - Width of joint (mm)

L - Length of tile (mm)

W - Width of tile (mm)

PACKAGING

200 ml pack

SHELF LIFE

24 months for sealed pack when stored under cover, out of direct sunlight, damp proof condition and protect from extremes of temperature.

SAFETY PRECAUTIONS

Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.

For more details please refer the relevant Material Safety Data Sheet, available on request.



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Manufacturer Details: A product of



MANUFACTURED AND PACKED AT:
· WEST BENGAL – KOLKATA, BARDHAMAN, SILIGURI

Disclaimer

Information given in the data sheet is only a guideline for usage. Users are advised to undertake trial for product suitability prior to its full scale usage. There is no implied guaranty/warranty for the results and company is not liable for any consequential damages.