

	NAME OF TEST	RESULT	TEST METHOUD
1	Appearances	Ready mix powder	--
2	color	Gray	
3	Chemical Base	Special cement, polymer, aggregates and additives	
4	Pot life	30-50 min	ASTM C 308
5	Density [g/cc]	1.8±0.1	ASTM D1475
6	Grain size	0.1mm	
7	Compressive strength	>15 N/mm2	ASTM C 579
8	Flexural strength	>5 N/mm2	ASTM C 580
9	Water permeability@5bar	<10 mm	BS EN 12390
10	Application temperature	+5 to 45 °C	

NOTE : The above shown technical data are results obtained in laboratory and can be provide by the request standards results are subjected to a variation of 20%.

Health and safety:

Toxicity: Nontoxic and odorless.

Flammability: Nonflammable

Inhalation: During use avoid inhalation of dust if occur remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention.

Skin contact - Avoid contact with skin and eyes. In case of contact with eyes and skin wash immediately with tap water and soap.

Eye contact - In case of eye contact, rinse thoroughly with clean water but do not rub. If swallowed, seek medical attention immediately- Do not vomiting.

Safety – wear suitable protective clothing, gloves, safety shoe, eye protection and respiratory protective equipment.

SI FIXPLUS 411 FC

صناعة
سعودية
MADE IN KSA



Introduction :

SI FIXPLUS 411 FC is a one component dry pre- mixed; polymer modified cementitious minor/ pinholes fairing coat concrete repair. Due to its unique composition provide non shrinkage, flexible and smooth finish also can be used as a skin coat.

Advantages :

- Ø Ready mix, easy to use.
- Ø Good mechanical properties.
- Ø Excellent adhesion to concrete.
- Ø Resist cracking and shrinkage.
- Ø Provide smooth coat.
- Ø Excellent durability and comparability.
- Ø Non corrosive towards metals.

Application Method :

Surface preparation:

The surface must be thoroughly clean, sound and free from dust, cracks, ridges, oil and grease, loose particles and other contamination.

The surface must be prepared mechanically brushing, or high pressure blasting which will gives clean exposed surface. The surface should be clean with the tap water however ensuring that the surface should be saturated and free from water before applications. Exposed reinforcement should be free from chloride or other material which may cause corrosion. This is clean by water blasting method before applying any corrosion inhibitor.

Product preparation:

Pour 6 to 7 liter per 20kg of bag **SI FIXPLUS 411 FC** into a clean container and add powder component gradually while mixing with a low speed mixing stirrer until a lump free paste is achieved.

Standard / Compliance :

SI FIXPLUS 411 FC repair mortar system complies with the following international standards

ASTM C 579	: Compressive Strength
ASTM C 580	: Flexural Strength
EN 12617- 4	: Drying Shrinkage

Use :

SI FIXPLUS 411 FC is design for application of minor imperfections in concrete and masonry surfaces in the range of feather edge up to 3mm can be used for the filling of pinholes prior to over coating, minor crack filling, as a thin layer render, fair face concrete repair etc. in the field of exterior, interior wall and ceilings.

Application :

SI FIXPLUS 411 FC Apply the mixed with the steel trowel to the substrate up to 3mm thick and allow to partly setting before finally towel-drying to a smooth finish and excess paste should be removed and finishing should be done by s steel trowel, Aluminum tube, and plastic float Render finisher.

Note: water can be drowning to the surface if overworking with the float occurs resulting in an unsightly finish. Sponges or plastic floats may be used to achieve desired texture.

SI FIXPLUS 411 FC prepared paste must be used within an hour from mixing depending on weather and site conditions.

Cleaning :

All the tools must be clean immediately with the tap water before and after work has been done .

Curing Treatment :

Cure the exposed surface by spraying tap water for the 2-3 days using appropriate curing method e.g. curing component, moist Geo textile, and polythene sheet etc.

Storage & Shelf Life :

12 months in original closed packaging from date of production. In dry, cool and ventilated area. Keep away from all the resources of heat, exposed in sun or humid area.

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