

izomaks IZOFIX 105 is a one component ready mix, fibre reinforced polymer modified cementitious repair mortar. Due to its unique composition resists sulphates and it provide high strength, non shrinkage, flexible and smooth finish that is suitable for columns, beams, and slabs.

Use:

izomaks IZOFIX 105 is a ideal repair mortar for beams, columns, slabs, heavy damaged concrete structure, bridges, repair wall and ceiling can be use all the porous concrete surfaces etc.

APPLICATION

izomaks IZOFIX 105 can be applied with a bucket trowel, spray machine or by pumping and excess paste should be removed and finishing should be done by s trowel, Aluminum tube, Render finisher.

izomaks IZOFIX 105 prepared past must be used within an hour from mixing depending on weather and site conditions. For thickness more than 50mm recommended using two layers when the first coat is applied it the surface should be roughened to batter bond with the second layers.

APPLICATION METHOOD

Surface preparation:

The surface must be clean, sound and free from dust and rust. Remove all laitance, oil and grease, or loose particles. The surface must be prepared mechanically scrubbing, brushing, or blasting which will gives clean exposed surface. The surface should be cured with the tap water before applications.

Old Surface:

The surface must be clean, sound and free from dust and loose surfaces. Loose surface can be removing by hammering with the wire brush and cured with water till it reaches to saturated surface into dry conditions. The surfaces should be priming with the **IZOBOND SBR**.

Product preparation:

Pour 3.5 to 4 liter into a clean container and add powder component gradually while mixing with a low speed mixing stirrer until a lump free paste is achieved.

ADVANTAGES

- Ø Ready mix, easy to use.
- Ø Resists chloride and Sulphate.
- Ø Excellent bonding strength.
- Ø Excellent adhesion from old to new.
- Ø Resist cracking and shrinkage.
- Ø Excellent compressive and tensile strength. Ø Excellent durability and comparability.
- Ø Non corrosive towards metals.

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

izomaks IZOFIX 105 has 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.

STANDARD / COMPLIANCE

izomaks IZOFIX 105 repair mortar system complies with the following international standards

- ASTM C 882 : Shear bonding strength
- BS EN 12390 : Water permeability
- ASTMD 642 : Water absorption (%)
- ASTMD 157-93 : Drying Shrinkage

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IZOFIX 105-HD



	NAME OF TEST	RESULT	TEST METHOUD
1	Appearances	Ready mix powder	--
2	color	Gray	
3	Chemical Base	Special cement, polymer, aggregates and additives	
4	Port life	30-50 min	ASTM C 308
5	Density [g/cc]	1.8±0.1	ASTM D1475 - 16
6	Shrinkage 28 days	<5 µm/m	EN 12617-4
7	Compressive strength 7 days	>60 N/mm2	ASTM C 579
	28 days	>70 N/mm2	BS EN 12190
8	Flexural strength 7 days	>6 N/mm2	ASTM C 580
	28 days	>7 N/mm2	
9	Tensile strength 7 days	>4.5 N/mm2	BS EN 6319 Part 7
	28 days	>6 N/mm2	
10	Adhesion strength 28 days	>1.5 N/mm2	ASTM C 882
			BS EN 1881 Part 207
11	Water permeability@5bar	<5 mm	BS EN 12390
12	Water absorption [%]	<2	ASTM D 642

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.



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MADE IN KSA