

JAZEPAIR-FC

2 - Component, Cement-based, Polymer Modified, High Performance & Thixotropic, Cosmetic Mortar for Concrete & Mineral Surfaces

Product Description

JAZEPAIR-FC is 2- component, high performance & high strength, polymer & fiber modified cementitious cosmetic and fairing & skim mortar for concrete substrates. It contains selected Portland cements, selected fillers, shrinkage - compensating materials, acrylic polymer & fibers, silica-fume and modifiers that permit to be applied in a thickness more than 3-mm thickness without any problems. The hardened product exhibits an excellent thermal compatibility with concrete and outstanding waterproofing & weatherproofing properties.

Uses

JAZEPAIR-FC is formulated to be used as non-shrink, high strength, non-sag waterproofing cementitious fairing & cosmetic mortar in:

- Pore sealer & honeycombing and fishing coat upon mineral horizontal and vertical & overhead surfaces.
- As fairing & cosmetic coat to repair any surface defects.
- On grade and below grade upon concrete and mortar.
- Levelling mortar preparatory to concrete to receive another protective coating.
- Waterproofing & weatherproofing fairing & cosmetic render up to 3-mm.
- Where exceptional chloride and carbon dioxide resistance is required.
- To provide a uniform surfaces free from defects over repaired areas.
- All similar works.

Advantages

- Easy to mix and to apply.
- Non-sag & non-shrink.
- Flexible.
- Excellent resistance to carbonation and water – soluble salts and atmospheric gases.
- Compatible with thermal coefficient expansion of concrete.
- Excellent abrasion resistance.
- High mechanical properties.
- Extremely low permeability ensuring durability.
- Non-toxic and does not contain any harmful ingredients.
- Can be applied upon horizontal, vertical & overhead surfaces.
- Chloride and nitrate free.
- Excellent adhesion to concrete and masonry substrates.
- Smooth, easily produced cosmetic finish.
- Formulated for the Middle East Climates.

Standards

EAMIPAIR - FC is formulated to comply with all requirements of ASTM C-928

Technical Properties

Appearance	Grey paste – like consistency (mixed materials)
Yield	13.5 -Liters / 25 -Kg
Specific Gravity @20 °C (wet)	1.8 – 1.90
Setting Times @ 20 °C	Initial setting time is 3-hours and final: 4hours
Compressive Strength (N / mm²) After 7-days	30



After 28-days	40
Flexural Strength (N/mm²)	
After 28-days	8
Bond Strength to Concrete (N/mm²)	
After 28-days	3
Water Absorption (ISAT)	
10-Minutes	0.008 ml/m ² /sec
2-hours	0.005 ml/m ² /sec
Index of Water Vapour Diffusion	mH ₂ O = 120
Index of CO₂ Diffusion	mCO ₂ = 350
Coefficient of Thermal Expansion	11 x 10 ⁻⁶ per °C.

Guide for Applications

Surface Preparation

All substrates shall be sound, clean free from dust, grease & oil, dirt or any bond -inhibiting materials. The concrete substrates shall be saturated with water prior to the application, but no standing water shall be on the substrate.

Mixing

JAZEPAIR- FC shall be thoroughly mixed using mechanical mixing procedures. Mechanical mixing using spiral paddle in a slow speed (400- 500 rpm) heavy duty drill is recommended. Put Component A: liquid form into a clean vessel and gradually add Component B while mixing. Continue mixing till homogenous paste like free from lumps is achieved.

Application

Apply the mixed materials during the open time onto the prepared substrates using gloved hand or trowel or pump (spray application). After filling and repair screed off excess. Please, note that the mixing, placing and finishing shall be during the open time. The applied materials can be finished using a float damp sponge to achieve the desired surface texture. The completed surfaces should not be overworked.

Curing

JAZEPAIR- FC is cement-based material, so it shall be cured properly after finishing the work. JAZECURE – AR is very good for this purpose. Please, refer to its data sheet.

Cleaning

All equipment & tools shall be cleaned with water after work immediately.

Packaging

JAZEPAIR- FC is supplied in well sealed 25-Kg kit.

Storage & Shelf-life

JAZEPAIR- FC shall be stored in normal conditions away from any extreme temperatures, or any source of moisture. 12-monthes if stored properly in well-closed containers.

Health & Safety

- JAZEPAIR- FC is non-toxic, non-hazardous during handling, storage and use, but dust mask and gloves are recommended.
- For Ecology: Do not dispose directly to water or soil, re-use it if possible or mix the tow components and wait till hardening and then bury it in landfill in accordance with the National regulations.
- Splashes on skin will be washed with water and soap.

JCC CONSTRUCTION CHEMICALS

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the application they intend to use our products for.

JCC endeavors to ensure that any advice, recommendation, specification of information in accurate and correct manner.

For Further Information Contact: www.jcc-sa.com