

JAZEPAIR-CBS

2 - Component, Sulphate Resisting, Cement-based, Acrylic Modified, Fiber-reinforced, High Performance & Thixotropic, Non-shrink Repair Mortar

Product Description

JAZEPAIR – CBS is 2-component, sulphate resisting, non-shrink, acrylic polymer & fiber modified cementitious repair mortar. It is formulated to provide concrete and masonry mortar with an excellent durability under severe conditions in sewage work and water-treatment plants in thin layer sections. It contains selected sulphate resisting hydraulic binders, selected fillers, shrinkage - compensating materials, acrylic polymer & fibers, silica-fume and modifiers that enable to improve all the mechanical & physical properties.

Uses

JAZEPAIR – CBS is formulated to be used as non-shrink, sulphate resisting, non-sag waterproofing cementitious repairing mortar in:

- Waste water and sewage structures.
- Marine structures and concrete docks.
- On grade and below grade upon concrete and mortar.
- Levelling mortar and large areas of filling honeycombing.
- Waterproofing & weatherproofing rendering.
- Where exceptional chloride and carbon dioxide resistance is required.
- Parking docks, curbs, and gutter edges.
- Joint edges, pavement and walk ways.
- Construction joint edges.
- Rendering of water structures and reservoirs.

Advantages

- Easy to mix and to apply.
- Sulphate resisting mortar.
- Non-sag & non-shrink.
- Provides high strength and wear resistance patch.
- 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.
- Suitable for applications indoors and outdoors.
- Formulated for the Middle East Climates.

Standards

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

Technical Properties

Appearance	Grey paste like consistency
Yield	13.5-Liters / 25 -Kg
Specific Gravity @20 °C (wet)	2



Setting Times @ 20 °C	Initial setting time is 3-hours and final: 4hours
Compressive Strength (N / mm²)	45 after 28-days
Flexural Strength (N/mm²)	8 after 28-days
Bond Strength to Concrete (N/mm²)	2 after 28-days
Water Absorption (ISAT)	
10-Mimutes	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 – CBS 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 – CBS 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 – CBS is supplied in well sealed 25-Kg kit.

Storage & Shelf-life

JAZEPAIR – CBS 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 – CBS 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 burry it in landfill.
- 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.