

JAZE MORTAR – HS

3-Component, High strength, Epoxy Resin-based Reinstatement mortar with High Performance, Solvent-free, High Abrasion & Chemical resistant.

Product Description:

JAZE MORTAR – HS is based on a high quality solvent-free epoxy resin reinstatement mortar. The special filler is specifically designed to give excellent properties for vertical and overhead work.

JAZE MORTAR – HS is a three-component material supplied in pre-weighed quantities ready for on-site mixing and use.

Uses:

For the fast and permanent reinstatement of concrete, particularly where high compressive strength and high resistance to chemicals is required. **JAZE MORTAR – HS** can be used for concrete repairs and its ideally suitable for use in vertical and overhead locations, and for emergency repairs where fast strength gain is important. When properly compacted, the mortar is highly impermeable.

Advantages:

- It's formulation enabling extra high build and thereby saving time and expense.
- Obviates the need for formwork.
- High early strength about 60 N / mm² after 3 days.
- Highly resistant - unaffected by a wide range of chemicals.
- Extremely low permeability.
- Pre-weighed components ensure consistency.
- Easy to mix and to apply.
- Solvent-free, odourless.
- Highly durable.
- Excellent abrasion and impact resistance.
- Non-shrink and non-skis finishes.
- Provides smooth surface.
- Excellent adhesion to sound concrete & masonry substrates.
- Excellent mechanical properties.
- High chemical resistant to most common chemical reagents.
- Formulated to be suitable for the Middle East Climates.

Technical Properties:

Appearance	Pigmented free flowing liquid (mixed)
Specific Gravity @20 °C	2.0 – 2.01
Solid Content	100 % by weight
Pot-life @ 25 °C	40 minutes.
Full cure @ 25 °C	7-days
Compressive Strength (N / mm²), BS 6319, Part 2.	80 (after 7 days)
Compressive Strength (N / mm²), BS 6319, Part 2.	100 (after 28 days)
Flexural strength (N / mm²), BS 6319, Part 3.	25 (after 28 days)
Tensile Strength (N / mm²), BS 6319, Part 7.	10 (after 28 days)
Bond Strength to concrete (N/mm²), ASTM C- 882	3
Abrasion resistance	75 mg as per as Taber Abrasive, 1000 grams / 1000 revolution.

Chemical Resistance

JAZE MORTAR – HS has been tested for chemical resistance to a comprehensive range of industrial & domestic chemicals. After constant immersion for 30-days @ 35 °C in accordance with ASTM D-2240 (Shore D hardness), the results are:

Acids

Hydrochloric	25 %	Excellent
Sulfuric	10 %	Excellent
Nitric	10 %	Good
Acetic	25 %	Excellent
Lactic	10 %	Excellent
Citric	10 %	Excellent

Alkalis

Sodium hydroxide	25 %	Excellent
Sodium Carbonate	25 %	excellent
Ammonia	10 %	Excellent
Potassium Hydroxide	25 %	Excellent
Sodium Hypochlorite	25 %	Excellent

Solvents & Oils

Ethanol	Excellent	Soya Bean Oil	Excellent
Ethyl Glycol	Excellent	Vegetable Oil	Excellent
White spirit	Excellent	Detergent	Excellent
Petrol & Diesel Oil	Excellent	Fat	Excellent
Coconut oil	Excellent	Milk	Excellent
Cotton Seed Oil	Excellent	Pine Oil	Excellent
Soya Bean Oil	Excellent	Linseed Oil	Excellent
Silicates	Excellent	Water	Excellent

For Specific Chemical reagent, please ask for technical support.

Coverage

About 2 m² / Kg / mm thickness

Guide for Applications:

Surface Preparation:

All surfaces shall be sound, clean free from dust, grease & oils, curing agents & mould releasing agents or other materials may affect the bond of the product and the substrates. Steel or metal surfaces should be free from rust, scale or other contaminants.

Mixing:

Stir each component **JAZE MORTAR – HS** well before mixing. Pour Component A into clean vessel, then pour Component B and mix well till homogeneity, then add Component C while mixing and continue mixing till homogenous consistency & colour self-levelling free from lumps is achieved. Electric drill with low speed (400- 500 rpm) is recommended.

Application:

Apply the mixed materials onto prepared & primed substrates while the primer is still tacky (wet on wet) in the required thickness in single application. After laying the mixed material, it shall be tamped with a wooden float and levelling with screeding bar to ensure full compacting. Final finish trowel by stainless steel float to achieve the recommended finish.

Packaging:

JAZE MORTAR – HS is supplied in 8 -16 Kg Kits.

Storage & Shelf-life:

JAZE MORTAR – HS shall be stored in normal conditions away from any extreme temperatures, Shelf – life is 12 months if stored properly.

Health & Safety:

- **JAZE MORTAR – HS** is non-toxic, non-corrosive, and non-dangerous.
- For Ecology: Do not dispose directly to water or soil. Mix Component A with Component B and wait till hardening, then bury in landfill in accordance with the local 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.