



## JAZETILE-EP

2-Component, Solvent-free, Hygienic, Chemical & Water-Resistant  
Epoxy resin-base Ceramic Tile Adhesive

### Product Description

JAZETILE – EP is 2-component, solvent-free, hygienic, impervious, abrasion resistant, chemical & water-resistant epoxy resin-base ceramic tile adhesive. It is supplied in two-component that after mixing will produce non-sag, paste-like consistency which is easy to be applied upon vertical and horizontal (Wall & floor) applications. The cured material is non-toxic, waterproofing and easily cleaned.

### Uses

JAZETILE – EP is formulated to be used as ceramic tile adhesive and/or multi-purpose adhesive for bedding and repair where chemical & abrasion resistance are required in:

- Laboratories.
- Food processing plants.
- Hospitals.
- Abattoirs.
- Swimming pools
- Kitchens: domestic & commercial.
- Supermarkets
- Showers including power showers.
- Bakeries and breweries
- Sports / leisure centers.
- Café & restaurants
- Chemical plants.

### Advantages

- Easy to apply.
- Chemical resistance to acid, alkalis
- Abrasion resistance.
- Hygienic.
- Does not support the growth of bacteria.
- Waterproofing.
- Durable
- Non-toxic.
- Easy to be cleaned.
- High strength permanent bond between two structurally sounded materials.
- For horizontal & vertical applications (walls & floors) and interior or exterior use.
- Formulated for the Middle East Climates.

### Standards

JAZETILE - EP is formulated to comply with all requirements of BS 5980: "Adhesives for use with ceramic tile and mosaic" Type 5, Class AA  
It complies with all the requirements of ASTM C-881; "Epoxy Resin - Base Bonding Systems for Concrete" Type III, Grade 3, Class B & C  
And ANSI A 118.3



## Properties

<b>Appearance</b>	Grey, Non-sag consistency
<b>Specific Gravity @20 °C</b>	1.60 ± 0.05
<b>Pot-life @ 20 °C</b>	120-minutes
<b>Open Time @ 20 °C</b>	120-minutes
<b>Water Absorption (ASTM D-570)</b>	0.30 % (by weight)
<b>Compressive Strength (ASTM C-597)</b>	75 N / mm <sup>2</sup> .
<b>Tensile Strength (ASTM D-638)</b>	18 N / mm <sup>2</sup> .
<b>Bond Shear Strength (ASTM C- 882)</b>	4 N / mm <sup>2</sup>
<b>Chemical Resistance</b>	JAZETILE - EP has been tested for chemical resistance to a comprehensive range of industrial & domestic chemicals. After constant immersion for 90-days @ 35 °C in accordance with ASTM D-2240 (Shore D hardness), the results are:

### Acids

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

### Solvents & Oils

Ethanol	Excellent
Ethyl Glycol	Excellent
White spirit	Excellent
Petrol & Diesel Oil	Excellent
Coconut oil	Excellent
Soya Bean Oil	Excellent
Silicates	Excellent

### Alkalis

Sodium hydroxide	25 %	Excellent
Sodium Carbonate	25 %	excellent
Ammonia	20 %	Excellent
Potassium Hydroxide	25 %	Excellent
Sodium Hypochlorite	15 %	Excellent

For Specific Chemical reagent, please ask for technical support.

## Guide for Applications

### Surface Preparation

All surfaces shall be sound, clean and free from dust, grease & oils, curing compounds & mould releasing agents or other materials may make any de-bonding.

### Mixing

Stir well each component well before use.

Pour all Component B: curing agent into component A: resin and mix well until homogenous consistency is achieved.

### Application

The mixed materials shall be applied into the prepared surfaces a serrated trowel. The ceramic tile should be fixed during the open time.



### **Packaging**

JAZETILE – EP is supplied in two components; 4-Kg or 8-Kg kits.

### **Storage & Shelf-life**

JAZETILE – EP shall be stored in normal conditions away from any extreme temperatures, Shelf-life is 24-months if stored properly in well sealed containers.

### **Health & Safety**

- JAZETILE – EP is non-toxic, non-hazardous during handling, storage and use.
- For Ecology: Do not dispose directly to water or soil. Mix with plenty amount of sand before this to comply with the local regulations.
- Splashes on skin will be washed with water and soap.

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### **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.