

## JAZEPROOF - ELE

2-Component, Elastomeric, Cement-based, Non-toxic, Acrylic- modified, Flexible, High Performance Waterproofing & Weatherproof Protective Coating for Masonry Surfaces

### Product Description

JAZEPROOF - ELE is 2-component, elastomeric and flexible, cement-based, acrylic modified, waterproof & weatherproof protective coating for concrete and masonry substrates and suitable to be in contact with potable water. It is suitable for applications for exterior & interior and vertical & horizontal substrates. After application and full cure, it will provide elastomeric & flexible membrane that is able to accommodate up to 2-mm. After mixing and application, it will provide hard wearing seamless, high performance elastomeric & flexible waterproofing & protective membrane having effective barrier to the waterborne salts and atmospheric gases. It contains selected hydraulic binders, acrylic polymer which provides non-tacky & permanently elastomeric film with a good balance of tensile strength and elongation with excellent recovery, waterrepellent agents, hard wearing aggregate and other modifiers that improve the physical & mechanical properties. It is available in standard colours or any colours upon request.

### USES

JAZEPROOF - ELE is formulated to be used as an elastomeric & flexible waterproofing & decorative protective coating for internal and external concrete and masonry substrates. After application and full cure, it accommodates movement up to 1-mm. So, it suitable for:

- Waterproofing water-retaining structures subjected to movements.
- Protective & waterproofing coating for new structures including foundations & basements, bridges where drying shrinkage movement is expected.
- For sealing and protecting concrete from water and water-soluble salts (e.g. chloride, sulfates, etc), carbonation, gases and deicing salts.
- Drinking water tanks, reservoirs.

### Advantages

- Easy to mix and to apply.
- Excellent adhesion to sound masonry substrates: porous and non-porous.
- Excellent freeze/thaw resistance.
- Enables the cement-based substrates to breathe while waterproofing.
- Elastomeric, accommodates movement up to 1-mm.
- Decorative and improves the surface appearance.
- Non-toxic, approved to be in contact with drinking water.
- Protects against water and waterborne salts (e.g. chlorides, Sulfate, etc.), atmospheric gases and carbonation.
- Very good abrasion resistance.
- Good balance of tensile strength and elongation and excellent elastic recovery.
- Can be applied directly onto the new laid concrete, after 24-hours. This will reduce the waiting time enabling immediate protection.
- Can be reinforced with polypropylene or glass fabric.
- Formulated to be suitable for the Middle East climates.

### Standards

JAZEPROOF – ELE is tested in accordance DIN 1048, ASTM D-695, ASTM C-307, and BS 1881 Part 5



## Technical Properties

<b>Appearance</b>	Brushable consistency (mixed material)
<b>Specific Gravity @20 °C</b>	1.50 (mixed Materials)
<b>Working Time @ 20 °C</b>	90-minutes.
<b>Compressive Strength</b>	35 N / mm <sup>2</sup> @ 28-day
<b>Tensile strength</b>	6 N/ mm <sup>2</sup> @ 28-days.
<b>Water absorption</b>	1.5 %
<b>Water-vapour Permeability</b>	μ = 990
<b>CO<sub>2</sub> Permeability</b>	μ = 100 000 @ 2-mm is equivalent to 200 m of concrete cover
<b>Elongation</b>	50 % at ambient temperature
<b>Crack bridging</b>	Up to 1-mm
<b>Yield</b>	16.5 - 17 Liter / 30 Kg kit.
<b>Coverage</b>	It will be influenced by the surface & ambient condition, about approximately for 1-mm thickness 1.5 Kg / m <sup>2</sup>

## 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. All cement-based surfaces should be saturated without standing water. If there is water leakage, it is recommended to use JAZEPLUG (see separate data sheet) to stop & seal any water leakage.

### Mixing

Pour all the Component A (Liquid form) in a clean container and gradually add Component B (Powder form) while mixing using electric drill with slow speed (300 - 450 rpm), continue mixing till homogenous consistency free from lumps is achieved. Keep mixing during application. DO NOT RE-TEMPER with water.

### Application

Do not apply on hot and dry substrates; saturate the concrete surfaces with no standing water at the time of the application.

Apply the mixed materials onto the prepared substrates using stiff brush or roller.

In generally, apply mixed materials in a range:

- For damp proofing: apply 1 coat at a thickness 1-mm thickness (1.5 Kg/ m<sup>2</sup>).
- For waterproofing: apply 2-coats at 1-mm thickness per each, (1- Kg/ m<sup>2</sup>).

The mentioned figures will be influenced by the condition of substrates.

Spray application is recommended for large areas.

### Cleaning

Clean all the equipment and tools after finishing work immediately with water.

### Packaging

JAZEPROOF – ELE is supplied in 2-Component of 30-Kg Kits.

## Storage & Shelf-life

JAZEPROOF - ELE shall be stored in normal conditions away from any extreme temperatures, or any source of moisture. Shelf-life is 12-monthes if stored properly in well-closed containers.

## Health & Safety

- JAZEPROOF - ELE is non-toxic, non-hazardous during handling, transportation, storage and use.
- For Ecology: Do not dispose directly to water or soil, follow 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.

For Further Information Contact: [www.jcc-sa.com](http://www.jcc-sa.com)