

JAZEPROOF 101

Single Component, Cement-based, Polymer-modified, Non-toxic, Waterproofing & Protective Coating for Masonry and Concrete Surfaces

Product Description

JAZEPROOF 101 is single component, cement-based, polymer modified, waterproofing & protective coating for concrete & masonry substrates and suitable to be in contact with potable water. It is suitable for applications for exterior & interior and vertical & horizontal substrates. It is supplied as single component that after mixing will provide brushable consistency to form flexible, seamless, waterproofing & protective coating having effective barrier to the waterborne salts and atmospheric gases protecting steel reinforcement.

It contains selected sulphate resisting hydraulic binders, polymers, water repellent agents, pozzolanic materials, corrosion inhibitor agents, fillers, and other modifiers that improve the physical & mechanical properties.

Uses

JAZEPROOF 101 is formulated for use as a waterproof protective coating that is able to resist chloride ion & sulphate penetration in:

- Bathrooms and Showers.
- Potable water tanks, reservoirs.
- Retaining walls & structures subject to water and water-soluble salt ingress.
- Swimming pools & roof coating and lift pits.
- Internal & exterior waterproofing and damp proofing concrete and masonry substrate.
- Concrete pipes and tunnels.
- Protection against water, waterborne salts, atmospheric gases and carbonation and to improve concrete durability.
- Foundation, bridges, and basement protection.
- Shower walls and floors prior to tiling
- Protective coating for newly repaired concrete providing smooth uniform surface finish.

Advantages

- Easy to mix and to apply.
- Excellent adhesion to sound masonry substrates: porous and non-porous.
- Enables the cement-based substrates to breathe while waterproofing.
- Flexible to tolerate fine cracks.
- Abrasion resistance.
- Non-toxic, approved to be in contact with potable water.
- Protects against waterborne salts (e.g. chlorides, sulfate, etc.), atmospheric gases and carbonation (1.8 mm of the cured film is equivalent to 150 mm of concrete)
- Resists positive and negative water pressure.
- Contains corrosion inhibitor, protecting steel reinforcement.
- Can be applied on damp concrete.

Standards

JAZEPROOF 101 is tested in accordance DIN 1048, ASTM D-695, ASTM C-307, and BS 1881 Part 5

Technical Properties

Appearance	Free flowing powder
Specific Gravity @20 °C	1.90±0.1 (wet materials)
Working Time @ 20 °C	60-minutes.
Compressive Strength (ASTM D-695)	60 N / mm ² @ 28-day
Tensile strength (ASTM C-307)	5 N/ mm ² @ 28-days.
Flexural Strength (N / mm²)	10 @ 28-days
Bond Strength	2 N/ mm ²
Water Penetration (DIN 1048)	5-bar, no penetration (2-mm DFT)
Yield	13.9 - 14 Liter / 25 Kg kit.
Coverage	It will be influenced by the surface & ambient condition, about approximately 1.5 - 2 Kg / m ²

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.

Mixing

Put 7.5-8 liters of clean water in a clean container and gradually add JAZEPROOF 101 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.

If there is sever conditions, JAZEBOND AR can be diluted with water in a ratio, one - liter of JAZEBOND AR and 3-liters of water and mixed with the product as mentioned above.

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 of:

- For damp proofing: apply 1 coat at a thickness 1-mm thickness (2- Kg/ m²).
- For waterproofing: apply 2-coats at 1-mm thickness per each, 1.50 Kg/ m²).

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

Spray application is recommended for large areas.

Cleaning

Clean any spillages with normal water and soap

Packaging

JAZEPROOF 101 is supplied in 25-Kg pack size in well sealed sacks.

Storage & Shelf-life

JAZEPROOF 101 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 101 is non-toxic, non-hazardous during handling, storage and use.
- For Ecology: Do not dispose directly to water or soil and follow the local regulations.
- Splashes on skin will be washed with water and soap.
- It is not dangerous during transportation.

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