

## JAZEPROOF - DW

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2-Component, Cement-based, Acrylic Modified, Flexible, High Performance Waterproofing & Protective Coating for Concrete & Masonry Surfaces, Suitable for Drinking Water

### Product Description

JAZEPROOF - DW is 2-component, cement-based, acrylic modified, flexible (to tolerate cracks), waterproofing & protective coating for 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 2-component that after mixing will provide brushable consistency to form hard wearing seamless, high performance waterproofing & protective membrane having effective barrier to the waterborne salts and atmospheric gases.

It contains selected hydraulic binders, acrylic polymer, waterrepellent agents, hard wearing aggregate, and other modifiers that improve the physical & mechanical properties. It is available in standard colours and any colour is available upon request.

### Uses

JAZEPROOF - DW is formulated to be used as a waterproof & decorative and weatherproof protective coating in:

- Reface and event out variations in concrete surfaces.
- Protective coating in seawater channels.
- For sealing static "hairline" cracks in concrete structures.
- Drinking water tanks, reservoirs, and clear walls.
- Waterproof lining of water retaining structures.
- Swimming pools & roof coating.
- Internal & exterior waterproofing and damp proofing concrete, and masonry substrates.
- Sealing and coating tie bar holes for water tightness.
- Protection against water, waterborne salts (chlorides, sulfates, etc.), atmospheric gases and carbonation attack.
- Foundation, bridges, and basement protection.

### Advantages

- Easy to mix and to apply.
- Excellent adhesion to sound masonry substrates: porous and non-porous.
- Excellent freeze/thaw resistance and UV stable.
- Enables the cement-based substrates to breathe while waterproofing.
- Flexible to tolerate fine cracks.
- Decorative and improves the surface appearance.
- Non-toxic, approved to be in contact with drinking 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)
- Good abrasion resistance.
- Can be applied directly onto new laid concrete, after 1-day enabling save of time & cost



## Standards

JAZEPROOF – DW 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>	1.80
<b>Working Time @ 30 °C</b>	60-minutes.
<b>Compressive Strength (ASTM D-695)</b>	35 N / mm <sup>2</sup> @ 28-day
<b>Tensile strength (ASTM C-307)</b>	6 N/ mm <sup>2</sup> @ 28-days.
<b>Bond Strength</b>	3 N/ mm <sup>2</sup>
<b>Water Penetration (DIN 1048)</b>	7-bar, no penetration (2-mm DFT)
<b>Elongation</b>	> 5 %
<b>ISAT, BS 1881 Part 5</b>	> 95 reduction against control
<b>CO<sub>2</sub> Diffusion Coefficient (μCO<sub>2</sub>)</b>	≈ 35000, equal to 150 mm of concrete.
<b>Yield</b>	13.9 - 14 Liter / 25 Kg kit.
<b>Coverage</b>	It will be influenced by surface condition, about about 1.5 - 2- 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 JASEPLUG (see separate data sheet) to stop & seal any water leakage.

### Mixing

Choose the required consistency. If trowel able consistency is required, Component A shall be reduced, and if brushable consistency the complete kit shall be used.

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 of:

- For damp proofing: apply 1 coat at a thickness 1-mm thickness (1.8 Kg/ m<sup>2</sup>).
- For waterproofing: apply 2-coats at 1-mm thickness per each, (1.50 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 any spillages with normal water and soap



#### Packaging

JAZEPROOF – DW is supplied in 2-Component of 27-Kg Kits. ( Component-A, 4 Liters & Component-B, 23 kg )

#### Storage & Shelf-life

JAZEPROOF - DW shall be stored in normal conditions away from any extreme temperatures, or any source of moisture. Shelf-life is 24-months if stored properly in well sealed containers.

#### Health & Safety

- JAZEPROOF - DW is non-toxic, non-hazardous during handling, storage and use.
- For Ecology: Do not dispose directly to water or soil. Mix Component A and B to hardening and bury in landfill in accordance 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.