

JAZEPROOF – AR

High Performance, Crack – bridging, Acrylic - based, Elastomeric Weatherproof & Waterproof, Protective Membrane for Concrete & Masonry Surfaces

Product Description

JAZEPROOF – AR is a system consists of JAZEGARD SN as primer and JAZEPROOF AR as topcoat.

JAZEGARD SN is first defense stabilizing primer that is based on a blend of selected water-based acrylic and Silane – siloxane emulsion. It is a reactive primer that is capable of producing a chemically-bound hydrophobic barrier: thus inhibiting the passage of water & waterborne salts and at the same time enable the substrate to breath.

JAZEPROOF AR is single component, acrylic-based, high-performance, elastomeric waterproofing & protective membrane for concrete & masonry substrates. It is suitable for applications for exterior & interior and vertical & horizontal substrates. After application and full cure, it provides an elastomeric & crack –bridging film that is UV & dirt-pick up resistance and protects atmospherically exposed reinforced concrete from attack by acid gases, chloride ions, carbon dioxide oxygen and water & waterborne salts, specially where there is a danger of subsequent cracks appearing within the substrates. It is available in a wide range of colours.

Uses

JAZEPROOF – AR is formulated to be used as a waterproofing & protective membrane in:

- Protection atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, carbon dioxide, oxygen and water specially where there a danger of subsequent crack appearing within the substrates.
- Protective and waterproof membrane against water & water-borne salts.
- As damp-proof membrane under or above floor screeds.
- As a part of waterproofing system beneath ground level.
- As protective & waterproof and weather proof coating
- Swimming pools & roof protective coating.
- Internal & exterior waterproofing and damp proofing concrete, and masonry substrates.
- Sealing and coating tie bar holes for water tightness.
- Foundation, bridges, and basement protection.
- All similar works.

Advantages

- Easy to apply by suitable brush or roller.
- Excellent adhesion to sound masonry substrates: porous and non-porous.
- Excellent freeze/thaw resistance.
- Enables the cement-based substrates to breathe while waterproofing.
- Elastomeric with excellent elongation and recovery properties.
- Decorative and improves the surface appearance.
- Non-toxic, approved to be in contact with drinking water.
- Protects against waterborne salts (e.g. chlorides, Sulphate, etc.), atmospheric gases and carbonation (1.8 mm of the cured film is equivalent to 150 mm of concrete)
- UV resistant
- Excellent barrier to carbon dioxide, chloride ions, oxygen and water.
- Dirt pick-up resistance.

Standards

JAZEPROOF – AR is tested in accordance DIN 1048, BS 8204 Part 3 Method B3, BS 903 Part A-17 & Part A2, BS 3177 and BS 6319 Part 4



Technical Properties

| | |
|---|---|
| Appearance | Brushable consistency supplied in a wide range of colours. |
| Specific Gravity @20 °C | 1.35 – 1.4 |
| Solid Content | 60 % by weight |
| Application temperature) | 5 – 35 °C. |
| Time between recoating | 4 - 6-hours depending upon the ambient temperature |
| Tensile Strength | 2 N/ mm ² |
| Water Vapour Diffusion resistance | S _D 0.11 m @ 400 μ DFT |
| Elongation (ASTM D-412) | 550 – 600 % |
| ISAT, BS 1881 Part 5 | > 95 reduction against control |
| CO₂ Diffusion resistance Equivalent thickness of air: | |
| - Initial | > 470 meters |
| - After 2000 hours QUV | > 470 meters |
| Crack- bridging | 2-mm @ 400-μ DFT |
| Coverage | It will be influenced by the surface & ambient condition, about approximately 1-Kg / m ² per coat. For the JAZEGARD SN, the coverage is about 5 - 6 m ² / L |

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.

Priming

The prepared substrate shall be primer using JAZEGARD SN by brush or roller in coverage approximately 13 m²/ Liter (please see its technical Data sheet)

Application

Stir the product well before use. Apply JAZEPROOF AR onto prepared & primed substrates using suitable brush, roller or airless spray method for large areas

Apply the second coat after application of the first coat with 6-hours.

Cleaning

Clean any spillages with normal water.

Packaging

JAZEPROOF – AR is supplied in 20-Liters JAZEGARD – SN is supplied in 5-Kg plastic jenkins.

Storage & Shelf-life

JAZEPROOF – AR shall be stored in normal conditions away from any extreme temperatures.

Shelf-life is 12-monthes if stored properly in well-closed containers.

Health & Safety

- JAZEPROOF – AR 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.

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.