

JAZECOAT - AR

Single Component, High Performance, Crack – bridging, Acrylic -based, Elastomeric Waterproof, Protective & Decorative Coating with anti-bacterial properties for Concrete and Masonry Surfaces

Product Description

JAZECOAT – AR is a system consists of JAZEGARD SN 70 as primer and JAZECOAT - AR as topcoat.

JAZEGARD SN 70 is first defense stabilizing primer that is based on a blend of selected silane – siloxane, selected solvent carrier for more penetration and modifiers. 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. It contains chemical agents that does not support the growth of bacteria and at the same time is non-toxic.

JAZECOAT - AR is single component, acrylic-based, high-performance, elastomeric 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 for domestic & hospital applications. 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 contains agents which does not support the growth of bacteria. It is available in a wide range of colours.

Uses

JAZECOAT – AR is formulated to be used as a waterproofing & decorative, decorative and protective coating 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.
- Decorative, protective and waterproof coating against water & water-borne salts.
- Hospitals and surgery rooms.
- 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 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.

Product Features

- Easy to apply by suitable brush or roller.
- Excellent adhesion to sound masonry substrates: porous and non-porous.
- Does not support the growth of bacteria.
- 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

JAZECOAT – 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.
Specific Gravity @20 °C	1.4
Solid Content	65 % by weight
Application temperature	5 – 50 °C.
Time between recoating	4 - 6-hours.
Tensile Strength	2 N/ mm ²
Water Vapour Diffusion resistance	S _D 0.11 m @ 400 μ DFT
Elongation (ASTM D-412)	550 – 600 %
Initial Surface Absorption (ISAT, BS 1881 Part 5)	> 95 reduction against control
Carbon Dioxide Diffusion resistance	
Equivalent thickness of air: Initial	> 90 meters
After 2000 hours QUV	> 90 meters
Crack- bridging	1.5-mm @ 400-μ DFT
Coverage	≈ 0.25 Kg / m ² per coat (3.5 m ² / Liter) For the JAZEGARD SN 70, coverage is about 12.5 – 13 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.

Priming

The prepared substrate shall be primer using JAZEGARD SN-70 by brush or roller in coverage approximately 13 m²/ Liter (please see its technical Data sheet)

Application

Stir JAZECOAT- AR well before use. Apply JAZECOAT - 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

JAZECOAT–AR is supplied in 20-Liters Pack size and JAZEGARD – SN 70 in 5-Kg pack.

Storage & Shelf-life

JAZECOAT – 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

- JAZECOAT – 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.