

UniSeal® 910

Advanced acrylic-based decorative coating with anti-carbonation protection

Description

UniSeal 910 is a premium, high-performance, acrylic-based coating designed to elevate and protect both exterior and interior surfaces, including walls, beams, columns, soffits, and ceilings. Engineered for exceptional durability and aesthetic excellence, it provides long-lasting durability and sustained visual appeal, even in challenging environmental conditions

Features and benefits

- Available in a range of stylish and versatile shades, designed to transform walls and ceilings into modern architectural elements.
- Effectively repels dirt and dust while withstanding extreme weather and providing robust UV protection.
- Long-lasting appearance. Maintain the structural integrity and visual appeal of buildings for years to come.
- Advanced water repellency. Enhances surface protection, extending durability and ensuring sustained performance
- Superior anti-carbonation properties. Significantly extends the lifespan of concrete structures, reinforcing long-term structural integrity.
- Water-based, environmentally friendly formulation that aligns with modern sustainability standards.

Recommended for

UniSeal 910 is the perfect choice for projects seeking a blend of elegance and durability. Its versatility makes it suitable for a variety of applications:

- Residential, commercial, and luxury properties: Private residences, villas, clubs, and shopping centers.
- Infrastructure projects: Concrete bridges, tunnels, and car park structures.
- Public buildings: Schools, resorts, and other high-traffic facilities.

UniSeal 910 provides excellent adhesion and can be smoothly applied to:

- Cement and acrylic-based putties.
- Stucco, cement-based render, concrete, bricks, and engineered concrete blocks.
- Gypsum boards and wooden surfaces.

With its outstanding combination of durability, elegance, and versatility, **UniSeal 910** is the definitive solution for modern construction and design needs.

Composition

UniSeal 910 is formulated using acrylic copolymer resin, special fillers and additives.

Technical data

Solid content	62±2%
Viscosity at 25°C	3200 - 3300 cp
Density	1.33 gm/cm ³
Drying time at 25°C	Touch dry: 45 minutes
	Hard drying: 2 hours
Adhesion to concrete	1.55 MPa
Crack bridging	2.2 mm
Anti-Carbonation (Gm/m ² . Day)	0.22 C1
Distilled water resistance	Pass
Weathering	Pass
Accelerated weathering UV exposure wave length 312 nm 200h	No chalking, blistering, cracking and checking
Washability	Highly washable
VOC SCAQMD Rule 1113	Pass
Thinner	Water
Colors	Extensive range of colors can be achieved

UniSeal 910 complies with the Egyptian Standard for Coatings (No. 1539/2021).

Additionally, it fulfills the requirements for Carbon Dioxide permeability and Crack-Bridging in accordance with European Standards EN 1062-6 and EN 1062-7.

Packaging

UniSeal 910 is available in 15 kg pails & 125 kg drums.

Coverage

Approximately 8 - 11 m²/kg/coat.

Note:

Coverage rate takes no account of wastage and may vary according to surface condition and application method.

Surface preparation

Cement-based substrates

Cement-based substrates must be thoroughly cleaned to ensure they are structurally sound and free of contaminants.

Remove all residues of curing compounds, laitance, organic growth, or loose materials. Surface defects and blow holes should be repaired using a suitable mortar.

For a smoother finish, the application of **UniPutty 100** or **UniPutty 150** can be considered (optional).

Coated substrates

Ensure that the existing coating is firmly adhered and not loose. Chalked coats should be thoroughly brushed down.

Lightly grind the surface using fine emery paper for improved preparation.

Clean the substrates with fresh water and allow the surface to dry fully before proceeding.

Surface defects should be smoothed using **UniPutty 150**.

Surface sealing

Apply one coat of **MagicSeal 900** to seal the substrate and improve adhesion.

Mixing

Before use, stir **UniSeal 910** thoroughly until a uniform consistency is achieved.

First coat : 10-15% with water.

Second coat : up to 5% with water.

Application

UniSeal 910 can be applied by brush, roller or spray technique. Ensure the application is conducted at temperatures above 5°C, and protect the surface from rain for at least 4 hours after application.

It is recommended to apply **UniSeal 910** in two coats, allowing a drying time of 2 to 4 hours at 21°C and 50% relative humidity.

When applying with a brush, thoroughly work the **UniSeal 910** into the surface pores to ensure complete and even coverage.

For roller application, distribute the coating uniformly across the surface.

To avoid cold joints and marks, each coat should be completed in a single direction.

For spray applications, both airless and conventional spray techniques are effective.

A seamless application, free from surface irregularities, ensures a flawless finish.

Cleaning

Clean tools with water immediately after use. Hardened materials should be cleaned mechanically.

Storage and shelf life

To maintain its quality and suitability for use, the product should be stored in its unopened packaging, off the ground on pallets or similar structures, in a cool and dry environment. When stored under these recommended conditions, the product remains suitable for use for 12 months from the manufacturing date stated on the packaging.

Health and Safety

This product is not considered dangerous according to the current regulation regarding the classification of mixtures. It should not be ingested. Wear protective gloves, eye goggles

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and clothing. In case of skin contact, wash with plenty of water. In case of eye contact, rinse continuously with water for several minutes and seek medical attention. Dispose excess material to special waste collection point in accordance with local & national regulation. Keep out of reach of children. For further information, please ask for Safety Data Sheet for this product.

The most up-to-date TDS can be obtained from ACC Customer Service Department, or downloaded from our website: www.acc.com.eg.

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- Waterproofing.
- Flooring.
- Tile Adhesives & Grouts.
- Concrete Repair.
- Non-Shrink Grouts.
- Bonding Agents.
- Exterior Façade Coatings.
- Premixed Fairing Coats, Renders & Mortars.
- Putties (stucco).
- Sealers & Emulsion Paints.