

Concrete Admixtures, Adhesives & Aids

EDECON ADICEM

DESCRIPTION

Edecon Adicem is a low-odor acrylic copolymer emulsion designed for modifying Portland Cement concrete and mortar. The superior adhesion, UV and moisture resistance and increased strength provided by previous acrylic emulsions have been complimented by improved sprayability in a low-odor formulation.

Specification: ASTM C-309, Type II, C494, Type A & D

USES

Edecon Adicem provides exceptional versatility in a number of uses. Typical applications Include:

- Spray-applied coatings
- Trowel-applied coatings
- Basement waterproofing coatings
- General purpose patching and repairs
- Floor resurfacing
- Heavy use industrial/commercial flooring
- Bonding new to existing concrete

ADVANTAGES

Durability and Strength: Cement mortars modified with **Edecon Adicem** are hard, tough and durable to exterior moisture. Compared with unmodified mortars, acrylic modified mortars have superior flexural, tensile and impact strengths as well as excellent abrasion resistance and adhesion. These qualities are especially important in thin section application (i.e., spray coatings, stuccos and underlayments) and applications where excessive vibration and heavy traffic are encountered.

Adhesion: Concrete and mortar modified using **Edecon Adicem** have excellent adhesion to a variety of surfaces such as concrete, masonry, brick, wood, rigid foams, glass and metals.

Resistance Properties: Concrete and mortar modified using **Edecon Adicem** is uniform in color and resistant to yellowing or discoloration due to exposure to UV light. **Edecon Adicem** creates an internal polymer matrix in mortar, providing excellent water resistance and decreased spalling, cracking and surface degradation due to repeated freeze/thaw cycles. These mortars are also resistant to many industrial chemicals.

TECHNICAL INFORMATION

Edecon Adicem is a bonding product that also acts as a sealer and a water proofer. It provides water reduction, workability and durability. It prevents efflorescence and inhibits oxidation of steel reinforcement when used as an admixture for the cement matrix in concrete. By dilution at a 1 to 6 ratio, **Edecon Adicem** could be used as a simple curing compound.

PHYSICAL CHARACTERISTICS

pH	5 to 8
Specific Gravity	1.2
Weight per Gallon	9.5972 Lbs
Weight per Liter	1.150 kg
Appearance	Milky
H ₂ O Solubility	Easily
Odor	Sweet

APPLICATION

Edecon Adicem is low in odor; this is especially beneficial for interior construction or repair projects. **Edecon Adicem** is also optimized to provide a longer mortar pot life – an important feature for warm weather, low humidity application conditions. Further, the emulsion properties have been improved to enhance the flow characteristics of the modified cement for spray-coat applications.

DOSAGE

Use **Edecon Adicem** at the rate of 2 oz. to 32 oz. per 100 lbs of cement (59 to 946 ml per 45 Kg) depending on the application.

PACKAGING

All of our products are available in the following delivery container sizes:

- Sample Jug – 19 liter / ≈ 5 US gallon
- Sample Mini-drum – 57 liter / ≈ 15 gallon
- Drum/Barrel – 200 liter / ≈ 53 gallon volume in a 55 US gallon drum
- Transport Tote – 1,000 liter / ≈ 263 US gallon
- Various Sized Tankers – available for bulk volumes

WARRANTY: The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages

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