

UNICHEM CURE AR

CURING COMPOUND – WATER BASED ACRYLIC EMULSION

UCA-CA-01-0722

DESCRIPTION

UNICHEM CURE AR is a milky white colored liquid acrylic polymer emulsion membrane curing compound, which when applied to fresh concrete dries to a transparent film enabling improved curing of the concrete by reducing loss of water from the concrete.

USES

- ❖ UNICHEM CURE AR is recommended as curing agent for concrete structures, including renders, structural and mass concrete. Particularly in situations where other conventional means of wet curing are not feasible or where subsequent treatments, such as painting needs to be applied with minimum surface preparation
- ❖ UNICHEM CURE AR is beneficial in hot countries where strong sunlight and winds can dramatically increase the risk of drying shrinkage on all areas of fresh concrete.

ADVANTAGES

- Enables concrete to hydrate more efficiently
- Compatible with many specific after trades
- Seals and dust-proofs the surface.
- Eliminates the need for water curing.
- Forms uniform film.
- Does not interfere with subsequent concrete surface treatments (paints, emulsions, sealants adhesive, renders, tile adhesives etc.)
- Economical since single application reduces incidence of shrinkage cracks.
- Easy to apply.
- Non-Flammable.

TYPICAL PROPERTIES

APPEARANCE	MILKY WHITE TO TRANSLUCENT EMULSION. DRIES TO CLEAR
SPECIFIC GRAVITY	1.00 - 1.04 @ 25 °C.
SOLIDS %	30 % (Approx.)
DRYING TIME	1 – 2 HOURS, on new concrete (subject to ambient temperature)
COVERAGE*	Must be applied at a rate of 5 m ² /l *The exact coverage will depend upon the porosity, smoothness of surface, wastage and application method
PACKAGING	5,20, 200, 1000 Litre

STANDARDS

UNICHEM CURE AR meets the performance standards of ASTM C309

INSTRUCTIONS FOR USE

APPLICATION GUIDELINES

To achieve the correct curing properties, UNICHEM CURE AR must be applied on to the fresh concrete/render substrate in single coat at the coverage rate 5 m²/liter.

APPLICATION INSTRUCTIONS

Stir contents thoroughly before using.

Spray UNICHEM Cure AR evenly over the freshly laid concrete as soon as possible after final troweling just after the disappearance of surface bleed water for maximum water retention (approximately 1 - 2 hours depending on the ambient temperature and atmospheric conditions).

UNICHEM CURE AR

CURING COMPOUND – WATER BASED ACRYLIC EMULSION

UCA-CA-01-0722

If spray equipment is not available, apply with a soft brush, broom or wide nap roller as soon as the concrete surface is hard enough.

Apply to vertical surfaces immediately after the formwork has been removed.

Apply at an even coverage rate of not greater than 5 m²/l.

Ensure the concrete surface is completely free of stains, oils, form coatings etc., to obtain good adhesion of UNICHEM CURE AR and of any other after trades and to avoid obtaining discoloration or uneven surface effects.

CLEANING

Spillages of UNICHEM CURE AR can be removed with water. High temperatures and/or high humidity conditions may reduce the shelf life.

NOTE

UNICHEM CURE AR must not be used as a curing aid on surfaces subjected to after trade treatments, such as painting, rendering, etc., where such trades would subsequently be subjected to back water pressure or condensation of water vapor at the interface, eg. ground floor render toppings, etc. In such cases the render topping will be broken with drumminess, cracking, lifting, etc., as a result of re-emulsification by the alkalis in the cement, particularly under traffic conditions.

UNICHEM CURE AR must not be applied to stained, oily or contaminated concrete or render surfaces, which can cause discoloration, non-uniformity, or inhibit the bond of subsequent surface treatments

UNICHEM CURE AR should not be used as the curing compound for any metallic based integral floor hardeners. UNICHEM CURE AR should always be used with these products to prevent rusting of the aggregate.

UNICHEM CURE AR is a milky white stable emulsion. **Always first make a test trial application for approval, before proceeding with the job.**

All containers must be kept sealed and stored under cover with no exposure to the sun. Evaporated or thickened material must not be used. Do not dilute UNICHEM CURE AR with water or any solvent.

STORAGE & SHELF LIFE

Shelf life: UNICHEM CURE AR has a shelf life of 12 months if kept in a dry store in the original, unopened drums.

Store in cool, shaded, dry conditions, away from sources of heat and naked flames, in the original, unopened packs.

LIMITATION OF LIABILITY

This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.

P.O BOX 80071
BUILDING 1928
ROAD 5146, BLOCK 951
ASKAR, KINGDOM OF BAHRAIN

PHONE : +973 17830830
info@unichembahrain.com
www.unichembahrain.com
CR No. 51803