

TECHNICAL DATA GUIDE- CONCRETE ADMIXTURE

CKURE™ 302

Aluminium Resin Based Curing Compound for Concrete

DESCRIPTION

CKURE™302 is a silver colour film forming aluminized resin based curing compound, which can be applied to new concrete or freshly de-shuttered concrete, mortar, renders etc., The film formed on the surface acts as a barrier to moisture loss, reduces desiccation, helps in water retention and ensures more complete cement hydration.

CKURE™ 302 complies with the specifications of BS: 7542-1992, ASTM C 309-89 CLASS B.

RECOMMENDED USES

- Elements with high surface /volume ratio such as concrete pavements, runway aprons& taxiways.
- Bridge & Roof decks, chimneys, cooling towers and other tall structures.
- Canal Lining and other irrigation structures.
- Roof slabs, beams, parapet walls, shear wall & columns.
- Sidewalk, curbs and gutters
- Elevated water tanks& Precast Concrete members.

FEATURES AND BENEFITS

- The formed film disintegrates naturally but remains for enough time to ensure optimum curing.
- Offers a hard-wearing and dust free surface
- Increases frost resistance
- Prevents rapid water evaporation.
- Odourless, non-flammable & non-toxic
- Spray application reduces labour costs & eliminates curing by water, hessian & easy to apply
- Good abrasion resistance – long protection.
- Minimizes early age cracking and drying shrinkage
- The continuous non-penetrating aluminium textured coating has a very high heat reflectance, reduces early age cracking by preventing premature loss of water from concrete.

PERFORMANCE TEST DATA

Appearance	Silver colored liquid
Relative density	1.01 ± 0.02 @25°C
pH	≥6
Chloride ion content	Nil
Daylight reflectance	≥ 95%
Non-volatile content	15 -20%
Drying time	2-4 hours

COVERAGE

The coverage rate of CKURE™ 302 is around 4–5 Sqm/litre for normal applications.

Coverage depends on:

- Textured concrete surface; which may have a lower coverage rate.
- Coverage may reduce when applied in Brush/roller than spray applications.

DIRECTIONS TO USE

CKURE™ 302 needs to be stirred well before use to ensure dispersion of settled material & can be applied on fresh concrete which is free of visible surface water or immediately after de-shuttering formwork as a uniform continuous film with a low-pressure sprayer. The nozzle shall be held at a distance of 500mm from the surface with low pressure to produce a fine spray for complete coverage.





APPLICATION

SUBSTRATE QUALITY / PRE-TREATMENT

Clean concrete surface before application. Remove loose materials, dust and oil stains which may prevent the adhesion of curing compound. It should be free from visible water.

CKURE™ 302 should be spray applied/brush/roller to fresh concrete as soon as the surface water gets evaporated.

For hardened concrete surfaces the curing compound shall be applied as soon as formwork has been removed.

No conventional curing such as curing by water/hessian/gunny bags is necessary. Care should be taken to ensure that the film is not broken.

PACKAGING

CKURE™ 302 is supplied in 210 Litre HDPE drums & alternatively 1000 Litre IBC's and bulk deliveries can be arranged.

COMPATIBILITY

CKURE™ 302 has to be applied without dilution and is not to be mixed with any other construction chemicals such as SNF & PCE admixtures, air entrainers, accelerators, curing compounds, retarders, corrosion inhibitors and shrinkage reducing admixtures.

STORAGE & SHELF LIFE

CKURE™ 302 should be stored in a shaded cool and dry place. Shelf life of CKURE™ 302 is 12 months from the date of manufacture, if kept unopened & undamaged original sealed packaging and kept within the range of 10°C to 50°C. If the product is frozen, thaw at +5°C or above and remix with mild agitation. Failure to comply with recommended storage may deteriorate the product or packing.

HEALTH & SAFETY

CKURE™ 302 is water based, non-flammable and non-hazardous. However it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting. For further information refer to the material safety data sheet.

DISCLAIMER

The information given is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification. Since the conditions of use are beyond our control we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale including those limiting warranties and remedies which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would violate or infringe statutory obligations or any rights belonging to a third party.

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