

## TECHNICAL DATA GUIDE- CONCRETE ADMIXTURE

# CKURE™ 102 PU

### White Pigmented Acrylic Based Curing Compound

#### DESCRIPTION

CKURE™ 102 PU is a white pigmented Acrylic Based curing compound for new concrete or freshly de-shuttered concrete where wet curing is not possible. 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™ 102 PU complies with the specifications of BS: 7542-1992, ASTM C 309-89 CLASS B.

#### RECOMMENDED USES

- For use in elements with high surface /volume ratio such as concrete pavements, bridgeworks, runway aprons & taxiways.
- Bridge & Roof decks, chimneys, cooling towers & other tall structures.
- Roof slabs, beams, parapet walls, shear wall & columns.
- Side walk, curbs & gutters
- Surfaces subject to finishing treatments.
- Elevated water tanks & Precast Concrete members.

#### FEATURES AND BENEFITS

- The white pigmented formulation has good daylight reflectance helping to keep concrete cool when placed in hot weather.
- The resultant impervious membrane formed on the surface acts a barrier to moisture loss, reduces desiccation & ensures more efficient cement hydration.
- The continuous non-penetrating coating reduces early age cracking by preventing premature loss of water from concrete
- Offers a hard-wearing and dust free surface.
- Odourless, non-flammable & non-toxic
- Eliminates curing by water, hessian & easy to apply

#### PERFORMANCE TEST DATA

Base material	Acrylic based
Appearance	White colored liquid
Relative density	1.05 ± 0.02 @25°C
pH	≥6
Chloride ion content	Nil

#### COVERAGE

The coverage rate of CKURE™ 102 PU is around 3.5–4 Sqm/Kg 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™ 102 PU 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.

The membrane formed needs to be removed before applying other surface coatings and finishes.





## APPLICATION

### Substrate Quality / Pre-Treatment

Clean concrete surface before application. Remove loose materials, dust and oil stains. It should be free from visible water.

### For shuttered and precast concrete:

CKURE™ 102 PU should be spray/brush applied to all surfaces as soon as formwork has been removed & as soon as surface water evaporates.

## PACKAGING

CKURE™ 102 PU is supplied in 20 & 210 Litre HDPE drums; alternatively 1000 Litre IBC's and bulk deliveries can be arranged.

## COMPATIBILITY

CKURE™ 102 PU 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™ 102 PU should be stored in a shaded cool and dry place. Shelf life of CKURE™ 102 PU is 12months 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™ 102 PU 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

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