

# SmartCare Curing Compound

## PRODUCT DESCRIPTION

SMARTCARE Curing Compound is a resin based aluminized curing compound when applied on concrete surfaces act as barrier and retain water more than 75% for the 28 days curing period. The SMARTCARE Curing Compound has the ability to reflect the rays of the sun, thereby keeping the temperature of the concrete to minimum, which helps to prevent thermal stresses.

SMARTCARE Curing Compound films have a 'built-in' break down system, causing the film to disintegrate by the action of ultra-violet light over a period of two to three months, depending on weather conditions, except SMARTCARE Curing Compound resin based aluminized which breaks down by physical abrasion.

## APPLICATIONS / USES

SMARTCARE Curing Compound is mainly used for newly cast concrete and cementitious surfaces to retain sufficient moisture to ensure full hydration of the cement. Typical application areas include:

- High rise construction to eliminate water curing.
- Runways and concrete roads.
- Roof decks.
- Retaining walls.
- Irrigation canals.
- General floor slab and columns.

## ADVANTAGES

- Ready mixed, single coat application forming a barrier to water loss for 28 days curing period.
- Totally reliable eliminating risk of poor or erratic curing.
- Minimizes risk of drying shrinkage cracks and dusty surfaces.
- Non-toxic
- Chloride free.

## STANDARD COMPLIANCE

SMARTCARE Curing Compound complies with ASTM C309 as Type 1, Class B and tested to BS 7542:1992

### PROPERTIES:

**Color:** Silver Grey

**Specific gravity:** 0.85 ± 0.05 @ 27°C

**Curing efficiency:** Minimum 75% (water retention) tested as per BS 7542:1992

## METHOD OF USE

SMARTCARE Curing Compound should be spray applied as soon as possible to the fresh concrete, provided that the surface water has evaporated. Do not apply if bleed water is forming, or is present on the concrete surface. Stir SMARTCARE Curing Compound well before use to ensure even pigment dispersion. SMARTCARE Curing Compound should be spray applied, the spray nozzle should be held approximately 450 mm from the concrete surface and passed back and forth to ensure complete coverage. Pump pressure should be maintained to give an even, fine spray.

The applied film should be protected from rain for at least 3 hours; care should be taken to ensure that the film is not broken. In case of formed concrete, SMARTCARE Curing Compound should be applied immediately after dethuttering. In such a case the concrete surface must be dampened with clean water prior application of SMARTCARE Curing Compound.

### Packaging

SMARTCARE Curing Compound is available in 200 Liter container.

### Coverage

The recommended coverage rate is 4 - 5 m<sup>2</sup>/Lt.

### Storage

Store in a dry area out of direct sunlight between 5°C and 35°C.

### Shelf Life

SMARTCARE Curing Compound has a shelf life of 12 months from date of manufacture if stored in proper conditions in unopened drums.

If these conditions are exceeded, Asian Paints Technical Department should be contacted for advice.

### Cleaning

The spray equipment should be cleaned immediately with fresh solvent. If the spray nozzle becomes blocked with particles, these can be easily removed using white spirit or similar solvent.

## HEALTH AND SAFETY

SMARTCARE Curing Compound should not come into contact with skin or eyes.

In case of accidental splashes to the eyes, rinse with clean water and seek medical advice. Suitable protective gloves and goggles should be worn.

For further information, refer to the Material Safety Data Sheet. SMARTCARE Curing Compound is nonflammable.