

# POLYURE

## HIGH EFFICIENCY CONCRETE CURING COMPOUND

### DESCRIPTION

**Polycure** curing compound is a range of liquid curing compound for the prevention of premature water loss in concrete.

**Polycure** is applied to fresh concrete surfaces to form a fast dry, thin flexible and tough impervious membrane which protects the concrete from rapid water evaporation during initial curing stages, thus assisting towards obtaining maximum strength durability and helping towards the elimination of shrinkage cracks and surface dusting.

### TYPICAL USES

**Polycure** is exceptionally useful in large areas of exposed concrete such as :-

- Roof and bridge decks
- Aprons, hard standing and retaining walls
- Pre-stressed beams and piers, etc
- Highways, runways, taxiways
- Column, beam and precast unit
- Carpark decks

### OUTSTANDING FEATURES

- High curing efficiency enable cement to hydrate better
- One time application reduces labour cost
- Reduce surface shrinkage and cracking
- Save time and eliminates need for damp Hessian and Polythene Sheet

### STANDARD COMPLIANCE

- ✓ BS 7542 : 1992
- ✓ ASTM C 156-93
- ✓ ASTM C 309-93 Type 1
- ✓ BS 5750

### APPLICATION

**Polycure** is supplied ready to use and should not be diluted with any forms of solvent / water. Stir well before use.

**Polycure** is applied in thin even coat using spray equipment to the fresh concrete immediately after the free surface water has evaporated. All loose particles should be removed and honeycomb to be repaired.

The nozzle of the spray should be held approximately 500mm from the surface and passed back and forth to effect complete coverage.

The surface should be protected from rain for at least 3-hours after application of **Polycure**.

**Polycure** should not be applied to dry concrete particularly on vertical surfaces or soffit of concrete, which may have partially dried out being retained in shuttering. It is imperative that the concrete to be well wetted before application of **Polycure**. If it is not done, permanent staining will result.

## PHYSICAL PROPERTIES

Curing Efficiency Index BS 7542 : 1992	> 75%
Loss of Water in 72 hours (kg/m <sup>2</sup> ) ASTM C156-93	< 0.65
Liquid Membrane Forming Compound For Curing Concrete ASTM C 309-93	Comply
Specific Gravity at 25°	1.02 – 1.05
Colour	Milky White
Dry Film Colour	Clear Film
Dry Film @ 30°C (approx.)	1 – 2 hours
Coverage	4m <sup>2</sup> per litre

**Polycure** is also available in white pigmented which enables reduction of heat and surface temperature due to sunlight.

### PERCAUTION

Avoid in contact with skin and eyes. Wear gloves and goggles for protection.

## PACKAGING AND STORAGE

**Polycure** is available in 20 litre pail / 210 litre drum.

**Polycure** has a shelf life of 12-months under good storage at ambient room temperature in undamaged / unopened containers. Shelf life maybe reduced if stored in extreme heat condition.