

# LARCURE 45

Larcure 45 is a water-based curing membrane for concrete. It is an aqueous solution of metallic silicates, which when applied to fresh concrete, forms a micro crystalline seal in the surface pores, reducing the evaporation of moisture from the mix, thus assisting in the efficient curing of the concrete. Unlike resin-based curing membranes, which slowly degrade on concrete surfaces, Larcure 45 becomes a permanent integral part of the surface. The porosity of the concrete is slightly reduced, but there is no loss of adhesion for subsequent coatings.

**COLOURLESS, NON-STAINING AND NON-TOXIC**  
**NON-FLAMMABLE**  
**IDEAL FOR USE IN AREAS OF POOR VENTILATION**  
**LIGHT TRAFFIC AFTER 24 HOURS**  
**ECONOMICAL AND EASILY APPLIED**  
**CAN BE OVER-COATED**  
**APPROX. 45% EFFICIENCY**

## TECHNICAL INFORMATION

**FORM:** Clear Liquid

**SPECIFIC GRAVITY:** 1.11 g/ml

**pH:** 12

**SOLUBILITY:** Soluble in water

**BOILING POINT:** 100°C

**FLASH POINT:** N/A Water-based

**CHLORIDE CONTENT:** Chloride-free

**COVERAGE:** Approx. 4-5m<sup>2</sup>/L per coat.  
The material will be ineffective if the coverage is increased to more than 5m<sup>2</sup>/L per coat.

## **DIRECTIONS FOR USE:**

### **PREPARATION**

The performance of any curing system is improved by its being applied as quickly as possible after the concrete has been placed (or the formwork is stripped). This applies to both Resin Membrane and Silicate curing liquid systems. Ensure there is no "free" water on the surface at the time of spraying. Where excessive heat and/or a drying wind is prevalent, it is recommended that Larcure 45 be used in conjunction with a polythene sheet. This will aid the system during the first 6 hours whilst Silicates form. The sheet can then be transferred onto the next section to be treated and should be in as close a contact with the concrete surface as possible, to ensure maximum efficiency - with no wind tunnel effect.

### **APPLICATION**

Larcure 45 is ready to use straight from the container and should be applied by a low pressure spray at a rate of not more than 5m<sup>2</sup> per litre.

### **CAUTION**

Avoid all contact with glass or paintwork. If puddles of material are allowed to dry, a white surface deposit will form that will be extremely difficult to remove. Do not breathe spray. Wear suitable gloves and eye protection. Read MSDS before use.

### **CLEANING**

Clean tools, equipment, etc. using water before the product has dried.

### **STORAGE**

Larcure 45 should be stored in closed containers protected from extremes of temperature.

### **SHELF LIFE**

12 months in unopened manufacturer's containers.

### **PACKAGING**

25L and 200L packs.