

Estocure R90

High Efficiency Concrete Curing Compound

Description

Estocure R90 curing compound is a liquid curing compounds for the prevention of premature water loss in concrete.

Estocure R90 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, thereby assisting towards obtaining maximum strength, durability and helping towards the elimination of shrinkage cracks and surface dusting

Estocure R90 have been tested by SIRIM BHD, in accordance to BS 7542:1992, on Curing Efficiency Index and complied with the specification in this data sheet.

Uses

Estocure R90 is particularly useful in large areas of exposed concrete such as:

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

Advantages

- High curing efficiency enable cement to hydrate better
- One time application reduces labour cost
- Reduce surface shrinkage & cracking
- Save time and eliminates need for damp Hessian and polythene sheet
- Disintegrated under ultra violet light or abrasion.
- Proven and predictable performance

Standards Compliance

- **BS 7542:1992**
- **ASTM C156-93**
- **ASTM C309-93 Type 1**
- **BS 5750**

Physical Properties

	Estocure R90
Curing Efficiency Index, BS 7542, 1992	> 90%
Loss of Water In 72 Hours (kg/m ²), ASTM C156-93	< 0.55
Liquid Membrane Forming Compound For Curing Concrete, ASTM C309-93	Comply
Specific Gravity at 25°C	0.85 - 0.95
Colour	Clear
Dry Film Colour	Clear film
Dry Film @30 °C (approx.)	30min-1hrs

Application Instructions

Application

Estocure R90 products are supplied ready to use and should not be diluted with any forms of solvent. Stir well before use.

All loose particles should be removed and honeycomb to be repaired. **Estocure R90** is applied in a thin even coat using spray equipment to the fresh concrete immediately after the free surface water has evaporated. Do not apply if bleed water is forming, or is present on the concrete surface.

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

After application of **Estocure R90**, it should be protected from rain for at least 3 hours.

Total disintegration of the membrane normally occurs after 5 weeks of application if the application rate is correct (5m²/litre).

Where subsequent surface treatment is to be undertaken before total disintegration of the membrane, **Estocure R90** film shall be removed.

Estocure R90 should not be applied to dry concrete. It is imperative that the concrete be wet before applying **Estocure R90**. If this is not done, permanent staining will result.

Packing & Size

Estocure R90	210 litre drum 20 litre pail
--------------	---------------------------------

Coverage

Estocure R90	5 m ² per litre
--------------	----------------------------

Technical Support

Estop offers a comprehensive range of high performance, high quality of repair product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

Storage

Estocure R90 have a shelf life of 12 months at ambient room temperature in unopened condition.

If stored in extreme heat locations the shelf life may be reduced.

Precaution

Estocure R90 should not be swallowed and avoid to be in contact with skin or eyes. Wear gloves and goggles for protection. If swallowed, seek medical attention immediately

Do not induce vomiting.

Additional Information

Estop manufactures and offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.

Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.