

## 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**

#### Physical Properties

Curing Efficiency Index, BS 7542, 1992	> 90%
Specific Gravity at 25°C	0.85 ± 0.05
Colour	Brown
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 (5m<sup>2</sup>/litre).

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

**Estocure R90** is not recommended to be applied on dry surface concrete. It is imperative that the concrete be wet before applying **Estocure R90**.

#### Packing & Size

Estocure R90	210 litre drum
	20 litre pail

#### Coverage

Estocure R90	5 m <sup>2</sup> per litre
--------------	----------------------------

190103

## Technical Support

Denka 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

**Denka Construction Solutions Malaysia Sdn Bhd** 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.



**Denka Construction Solutions Malaysia Sdn Bhd**  
(591858-U)

No. 18, Jalan Utas 15/7, Seksyen 15,  
40200 Shah Alam, Selangor Darul Ehsan, Malaysia  
Tel: +603 5510 8810 Fax: +603 5518 8202

[www.denka-cs.com](http://www.denka-cs.com)

## Limitation of Liability

*The information contained in this brochure provides general advice for potential customers for DENKA about the basic properties and characteristics of various DENKA products (hereafter known as "the Product Information"). DENKA makes no warranty or representation as to the entire accuracy or completeness of the Product Information in the brochure. Nothing in this brochure will be deemed to create any express or implied warranty of merchantability, fitness for a particular purpose or infringement of any intellectual property rights. Each user of the Product Information and DENKA products assumes their own responsibility to properly determine the manner and suitability of use of the Product Information and DENKA products in its own operations. The user should exercise proper care in considering the Material Safety Data Sheet, Product Information and any other technical information provided by DENKA including descriptions of the conditions of use, warnings and other cautionary instructions. DENKA reserves the right to change the Product Information from time to time at its discretion and without notice.*