

Data Sheet

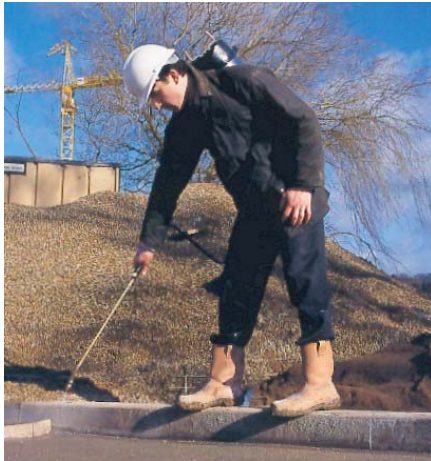
Extracure R90/R90AL

Concrete Curing Membrane 90% Efficient

Authorized Distributor of the "Extra Range"

DESCRIPTION

The Extracure resin type of curing membranes are used to protect freshly placed or formwork cast concrete from excessive water loss during the critical curing period and should be applied as quickly as possible to ensure maximum benefit. They assist the Contractor to achieve maximum strength and durability with correct mix design and minimise surface shrinkage cracks and dusting effect. This protection is achieved by spraying onto the fresh concrete surface Extracure which rapidly forms an impermeable skin of resin over the concrete surface. This resin film will on weathering and/or attrition gradually disintegrate leaving a strain free surface.



ADVANTAGES

- Extracure provides a labour saving method of ensuring all fresh concrete is cured properly, without the use of 'ponding' techniques, or the continuous wetting of hessian stretched over the concrete surface.
- When used in accordance with instructions it will disintegrate and flake off from the concrete surface over a period of time depending upon prevailing atmospheric conditions.
- Ingredients remain in suspension and no special pre-use agitation is required.
- A single application only is required.
- The incorporation of an aluminium pigment in R90AL reflects heat and light.
- Reducing the surface temperature of the concrete.
- Eventual finish and colour of concrete is unaffected by use of Extracure materials.
- Aluminium grade may require agitation prior to use

PROPERTIES

Extracure	R90	R90AL
		Aluminised
Appearance:	Pale amber	Silver grey
Specific Gravity @ 20°C:	0.83	0.83
Viscosity cSt @ 20°C:	2.83	—
Freezing Point:	-15°C	-15°C
Flash Point:	40°C	40°C
(Pensky Martin Closed Cup)		
Storage:	Indefinite in manufacturers sealed drums	

APPLICATION

Extracure R90/R90AL are supplied ready to use and should not be diluted.

Fresh concrete should be sprayed with Extracure at the specified coverage rate immediately after surface finishing and when the free surface water has dissipated.

Extracure products should not be sprayed onto surface dry concrete, otherwise the normal mechanism of degradation will be seriously impaired which may result in staining. Therefore, in some instances where the concrete has lost some of its 'greenness' it is essential to dampen the surface with water. However, Extracure products should not be sprayed onto concrete which has obvious free standing water on it.

A range of equipment for the application of concrete curing membranes and full details are available on request. Such equipment should be cleaned with Solvent Cleaner following any period of spraying with Extracure products. Particular attention should be paid to the thorough cleaning of spray jets and moving parts of such equipment.

COVERAGE

5.0 m²/litre. Extracure products should be applied by fine mist spray, from a low pressure unit

CERTIFICATION

Extracure R90 when applied at a coverage rate of 5.0m² /per litre achieves a curing efficiency greater than 90% when tested in accordance with BS 7542 'Method of tests for curing compounds for concrete'.

Extracure R90 when applied at a coverage rate of 5.0m² per litre and tested in accordance with Clause

1027, Specification for Highways 1991 (BS 7542 1992) has an efficiency index greater than 90%.

Extracure R90 complies with the requirements of ASTM C309-91 Type 1 Class B.

When tested in accordance with ASTM C156-93 Extracure R90, applied at a coverage of 5.0m² per litre, restricts the water loss to not more than 0.55Kg per m² of surface, in 72 hours.

Extracure R90 can be supplied clear or with a fugitive dye to assist in application.

STORAGE & HANDLING

Extracure R90 in manufacturer's sealed drums requires no special storage facilities.

If spraying, care should be taken to minimise inhalation and contact with eyes and ensure adequate ventilation during application.

PACKAGING

Extracure products are supplied in 210 litre and 25 litre drums.