

SHELLCURE 141R

RESIN BASED ALUMINISED CURING COMPOUND FOR CONCRETE

PRODUCT DESCRIPTION

SHELLCURE 141R (PC 2176) is a resin based membrane-forming liquid suitable for curing newly placed or freshly deshuttered concrete. The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement, essential for optimum strength development. The cured concrete is typically harder and exhibits a dust free surface with a reduced incidence of drying shrinkage cracks. Additionally, the membrane acts as a primer system for many subsequent surface finishes.

SHELLCURE 141R is available as a white liquid and aluminium finished having solar reflective version.

STANDARDS

SHELLCURE 141R conforms to the specifications as per ASTM C 309, BS 7542.

PROPERTIES	SHELL CURE 141R
Appearance/ Colour	White / Aluminised Liquid
Specific Gravity	1 ± 0.02 gm/cc
pH	> 6
Water Retention Ability	Min. 90%
Drying Time	< 4 hrs
Theoretical Coverage	
- Pavement Quality Concrete (PQC)	6 to 8 sq.m / lit
- Plain Concrete Surface	8 to 10 sq.m / lit
Curing Efficiency	> 90 %

ADVANTAGES

- Improves moisture retention in concrete
- Prevents rapid water evaporation
- Sealer and dust proofer
- Good abrasion resistance- long protection
- Reduces the incidence of hairline cracks
- High curing efficiency
- Acts as a primer for protective coatings and bitumen

AREA OF APPLICATION

- Suitable for use on all concrete surfaces
- In high-rise construction to eliminate the requirement for water
- Areas directly exposed to sunlight, heavy wind and other environmental influences
- Roof decks, retaining wall, flats, etc.
- Prestressed structures
- Airport, runways, motor ways and highways
- Precast piles and other precast structures

APPLICATION METHODOLOGY

Surface to be applied must be free from grease, oil and other loose particles. Apply **SHELLCURE 141R** when skin water has evaporated and the surface is still damp.

Stir **SHELLCURE 141R** thoroughly before using. Apply a continuous uniform film by low-pressure spray, short nap roller or brush. While carrying out application by spraying operation, the suitable nozzle of spraying device should be held about 1m above the concrete surface and pump pressure be maintained uniformly throughout the operation.

PACKAGING

Available in 200 litres PVC Barrel.

STORAGE AND SHELF LIFE

12 months from date of production if stored properly in unopened original packaging where temperature does not drop below +5 °C. Protect from frost and direct sunlight.

The technical data provided here is the average result of the tests carried out in our in-house **SUPREME BITUCHEM** laboratory on **SHELLCURE 141R**. **SUPREME BITUCHEM** reserves the right to change or modify the data without prior notice. All reasonable care has been taken in compiling the data and is to the best of knowledge that its accurate and true. All recommendations are made in good faith. We can accept no responsibility and no warranty is implied with regard to any of the recommendations made in the technical data sheets since the condition of actual use and the labour involved are beyond our control.

Our Products & Services

- ▶ APP & SBS Specialized Waterproofing Membranes
- ▶ Specialized Products for Highways & Road Surfacing
- ▶ PU Bituminous Waterproofing Liquid Membrane
- ▶ Anticorrosive Coating and Tapes
- ▶ Construction Chemicals and Building Materials
- ▶ Specialized Civil & Waterproofing Contracts
- ▶ Admixtures, Sealants and Grouts
- ▶ Thermal Insulation Products
- ▶ Complete Range of Bituminous Products

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