

Curecote Super

Acrylic Curing Membrane

Description


Curecote Super is a clear styrene acrylic curing and sealing compound which is designed for application to freshly cast concrete to provide a highly efficient curing membrane. The applied coating remains on the concrete surface to provide a dust free abrasion resistant surface which readily accepts the application of many subsequent finishes. Curecote Super may also be used as a clear sealer on aged concrete to dustproof and provide a surface which is more easily cleaned.

Advantages

- Cures and seals concrete in one application
- Prevents dusting of concrete surfaces
- Inhibits efflorescence and acts as an anti-carbonation coating

Applications

- Curing agent and sealer for new concrete floors which will subsequently receive a coating
- Anti-carbonation coating
- Curing agent for concrete cast from formwork
- Curing agent and sealer for freshly cast concrete components
- Dust proofing/sealer for aged concrete floors

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Nufins, Kingston House, 3 Walton Road, Pattinson North, District 15, Washington, Tyne & Wear. NE38 8QA 23 0086-CPR-774186	
EN 1504-2 Surface protection system Coating	
Permeability to water vapour	Class II
Adhesive bond strength	≥0.8 MPa
Dangerous substances	Complies with 5.4

Technical Information

Coverage	5-6m ² per litre
Curing efficiency	Over 80 % efficient when tested to ASTM 309
Recommended spray pressure	Typically 50-60 psi (3.3-4.0 BAR) Minimum 40 psi (2.7 BAR)

Viscosity	50 centipoise
Flow Cup	15 Seconds @20°C, B4 Ford Cup
Specific Gravity	0.9
Permeability to CO ₂	s _d >50 m



Application Instructions

Curecote Super should be sprayed onto the concrete surface as soon as free from surface water, at a rate of 5-6 m² per litre.

Application to power floated concrete floors should be carried out after power floating is complete.

Concrete struck from formwork should be dampened down with clean water prior to the application of Curecote Super.

When applied to freshly cast concrete Curecote Super acts as a curing membrane which prevents the loss of water from the concrete surface thus assisting in the efficient hydration of the cement particles.

The application of Curecote Super to fresh concrete will seal and harden the concrete surface whilst acting as an anti-carbonation coating and efflorescence suppressor. Curecote Super is UV resistant and does not degrade. It remains as a permanent coating on the concrete surface.

Epoxy, polyurethane, acrylics, vinyls, bitumens and alkyds are generally suitable to overcoat Curecote Super treated surfaces. It is recommended that a test area is applied to ensure compatibility of specific systems

On existing concrete surfaces, Curecote Super may be applied by brush, spray or roller at a rate of 6-10 m² per litre. One or two coats should be applied depending on the porosity of the concrete and the degree of sealing/dustproofing required.

Packaging

Curecote Super is available in 20 and 210 litre containers.

Storage

Curecote Super is flammable, due precautions should be made when handling and storing this material.

The shelf life is 12 months when stored unopened in dry, normal conditions and away from direct sunlight. Protect from frost.

Health & Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the very latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical contacts are available to provide further information and arrange demonstrations.