

SpECcure WE

WATER BASED CONCRETE CURING COMPOUND

DESCRIPTION

SpECcure WE is a low viscosity wax emulsion incorporating a special alkali "trigger" which breaks the emulsion in contact with an alkaline surface to produce a non-penetrating continuous film on contact with a cementitious surface. This film prevents excessive water evaporation resulting in more efficient cement hydration, reduced shrinkage and increased durability.

SpECcure WE is available in two grades.

SpECcure WE clear is for all applications in temperate climates and **SpECcure WE** white pigmented grade is recommended in hot climates due to its light reflectance properties minimizing solar heat gain.

TYPICAL USES

- As a spray applied membrane to retain moisture in concrete for effective curing
- Suitable for all general concreting applications and particularly suited for large area concrete surfaces, such as bridgeworks, airport runways and roads

ADVANTAGES

- Control of moisture loss improves surface quality, reducing permeability, producing a hard wearing, dust-free surface and minimizing the potential for surface cracking and shrinkage
- Improved durability
- Non-flammable
- Available in white pigmented grade-minimizing solar heat gain
- Spray application reduces labour costs and eliminates the need for alternative curing systems

TECHNICAL DATA

	Clear	White Pigmented
Colour	White	White
Dry Film	Clear	White
SG @ 20°C	0.98	1.0

RELEVANT STANDARDS

SpECcure WE clear - curing efficiency in excess of 75% as required by BS 8110 when tested in accordance with DTp Specification for Highway Works Clause 1027.

Complies with ASTM C309 - Type 1D curing membrane.

SpECcure WE white - curing efficiency in excess of 75% when tested in accordance with DTp Specification for Highway Works Clause 1027.

Complies with the water retention and light reflectance requirement of ASTM C309 as a Type 2 curing compound.

APPLICATION

SpECcure WE should be spray applied to the surface of newly placed concrete. The compound should be applied as soon as possible after the concrete is free from surface water. The spray nozzle should be held approximately 500mm from the concrete surface and should be passed back and forth to ensure complete coverage. The pump pressure should be maintained at a sufficient level to produce a fine spray.

SpECcure WE can be applied by various types of spraying equipment e.g. knapsack units or P8 plastic spray units. All equipment should be thoroughly cleaned with water after use.

The clear or opaque film produced by **SpECcure WE** will begin to degrade after 25-30 days however pro-per preparation techniques including the removal of the membrane, must be used prior to the application of subsequent surface treatments.

EQUIPMENT CLEANING

Clean all equipment with water.

PACKAGING & YIELD

25 and 200 litre containers. Typical coverage of 4.5 to 5.5m² per litre.

STORAGE & SHELF-LIFE

SpECcure WE should be stored at temperatures below 35°C in unopened containers. Protect from frost. **SpECcure WE** has a shelf life in excess of 24 months when stored as above.

HEALTH & SAFETY

SpECcure WE does not fall into the hazard classification of current regulations, however, it should not be swallowed or allowed to come into contact with skin and eyes either in bulk or spray form.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse with plenty of water and seek medical attention immediately - DO NOT induce vomiting.

FLAMMABILITY

SpECcure WE is water based and non-flammable.

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Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

SPECIALITY ENGINEERING CHEMICALS

PO Box 61347, Dubai, United Arab Emirates. Telephone: +971 4 883 6662, Fax: +971 4 883 7696

E-mail: info@spec.ae; Skype ID: [spec.sales](https://www.skype.com)

www.spec.ws