



# FORMCRETE

## Concrete Surface Treatments

### FORMCURE SUPER

#### 90% Efficiency Concrete Curing Compounds

##### Advantages

- Prevents premature drying out of the concrete surface, thus:
- Reducing the risks of surface cracking and
- Reducing the risk of surface dusting.
- Improves the durability of the concrete surface.
- Will enable the concrete to attain improved physical properties.
- 90% Curing efficiency.
- Easy to use, spray application.

**FORMCURE SUPER** is UKWFBS listed as suitable for use on potable water schemes.

**FORMCURE SUPER** physically “locks” moisture into freshly cast concrete surfaces to allow full hydration of the cement thus allowing the concrete to fully “cure”.

It does this by covering the surface of the concrete with a resin film which prevents moisture from leaving the surface.

An aluminised variant of **FORMCURE SUPER**, **FORMCURE SUPER AL** is available which complies with clauses 1027 and 1035 of the DOT Specification for Highway Works. It is also available in a white tinted form, **FORMCURE SUPER WP** and tinted with a fugitive dye in **FORMCURE SUPERT**.

**FORMCURE SUPER AL** is identical in every respect to **FORMCURE SUPER** other than it contains aluminium flake which when sprayed on the concrete surface produces a metallic “mirror” surface to reflect away solar heat, this is particularly advantageous on large expanses of concrete such as airport runways and concrete roadways, where solar heat combined with the heat of hydration may combine to form cracking.

**FORMCURE SUPER WP** has a white pigment as an alternative to the aluminium flake.

In accordance with the requirements of Clause 1027 of the Department of Transport's Specification for Highway Works **FORMCURE SUPER AL** contains flake aluminium which is designed to float to the surface of the applied curing compound. Prior to decanting or application it is essential that the contents of containers are thoroughly agitated and that the mechanical sprayers used to spray **FORMCURE SUPER AL** incorporate an efficient mechanical device for continuous agitation and mixing of the compound during spraying.

**FORMCURE SUPER**, **FORMCURE SUPER AL**, **FORMCURE SUPER WP** and **FORMCURE SUPERT** are not recommended for use in situations where subsequent bonding of any renders screeds or coatings is required, in these situations either remove all traces of the curing compound used by physical abrasion prior to carrying out the work or use **FORMCURE WW** or **FORMCURE WWT**, see separate data sheet.

##### Coverage

Apply the selected grade by spray at a rate of approximately 5.5 m<sup>2</sup> per litre, taking care to ensure complete coverage. Immediately after use the spraying equipment should be thoroughly washed out with **RESOFORMKLENS**.

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### Use

#### Freshly cast surfaces

Apply progressively as soon as final tamping or trowelling has been completed. Avoid delays particularly on warm windy days when water will evaporate quickly from the surface before the curing agent has been applied.

#### Surfaces struck from shuttering

On surfaces struck from shuttering the concrete is "hungry" for water, flood coat with water as soon as the formwork is struck, as soon as this water has run off, apply the desired grade of **FORMCURE SUPER**. If this is not done it is probable that the curing compound will be "sucked" below the concrete surface leaving the concrete surface unprotected. This advice regarding the flood coating of concrete surfaces protected by formwork is applicable whatever curing agent you may be using. Curing agents are designed to lock moisture into concrete; they can only achieve this by being on the surface of the concrete.

Curing agents do not provide thermal protection. It may be advisable to provide independent thermal protection in cold weather.

#### Packaging

Available in 25 litre and 210 litre containers.

#### Health and Safety

During application avoid contact with eyes and skin. In the event of eye contact irrigate immediately with copious quantities of water and then seek medical advice. In the event of skin contact, wash with soap and water, or resin removing cream.

Reference should be made to our separate detailed health and safety sheet.

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