

SURECURE



S

Water Based, Sodium Silicate Concrete Curing Aid

DESCRIPTION

SURECURE S is an aqueous solution of sodium silicates which when applied to freshly placed concrete penetrates and forms a microscopic crystalline structure in the concrete pores of the surface layer. This acts in reducing the loss of moisture by evaporation from the concrete. **SURECURE S** becomes an integral part of the concrete surface.

SURECURE S can be used on concrete which is to receive further surface treatments or where a resin film forming curing membrane is not desirable due to the time the membrane film takes to degrade.

ADVANTAGES

- Water based and odourless and therefore ideal for use in confined areas or areas of poor ventilation
- Non-staining, non-toxic and non-flammable.
- Becomes an integral part of the concrete surface, assisting in hardening, dustproofing.
- Very economical spray applied curing aid.
- Will not prevent the adhesion of most post applied surface treatments, coatings, cementitious mortars or tiling adhesives, etc.
- Helps concrete to achieve maximum strength and therefore long term durability by minimising surface shrinkage cracking, crazing and dusting.

PROPERTIES

Appearance:	Water White Liquid
Specific Gravity:	1.09 @ 20°C
Freezing Point:	-5°C
Storage Life:	12 Months in manufacturer's sealed drums.

APPLICATION

Immediately after stripping of vertical formwork the concrete should be thoroughly dampened with clean water prior to **SURECURE S** being applied evenly at a rate of 5.5 to 6.0 m² per litre.

On freshly laid horizontal concrete surfaces, ensure surface water has dissipated before spray applying at a rate 5.5 to 6.0 m² per litre.

Sprayers such as Gloria 410T or Mesto FerroX Plus with an 8004 tip fitted are recommended for application and should be cleaned thoroughly after use with water.

LIMITATIONS

SURECURE S is a curing aid and in the event of adverse climatic conditions such as excessive heat and/or drying winds, it is recommended that **SURECURE S** is used in conjunction with a polythene sheet (at least 500 gauge) for at least the first day or in winter conditions with curing mats. Consideration should also be given to the use of highly efficient resin membrane curing agents instead.

SURECURE S must not be applied before powerfloating.

COVERAGE

Spray applied at a rate 5.5-6m²/litre.

STORAGE & HANDLING

SURECURE S in manufacturer's sealed drums requires no special storage facilities, but avoid freezing temperatures.

Keep away from foodstuffs and children.

PACKAGING & TRANSPORT

SURECURE S is supplied in 25ltr and 205ltr Plastic Drums.

Not regulated for Road Transport.

VOC content Nil

HEALTH & SAFETY

Refer to separate safety data sheet. Copies available by request.

When spraying, care should be taken to minimise inhalation and contact with eyes and skin during application.

QUALITY ASSURANCE

Direct Chemicals Ltd is a firm of assessed capability. The Company's quality system conforms to BS EN ISO 9001:2008 and is assessed by QMS International PLC. Products are manufactured under quality assured schemes

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