

# TUFFACURE S

Water based, sodium silicate based curing membrane

## DESCRIPTION

**TUFFACURE 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. **TUFFACURE S** becomes an integral part of the concrete surface.

**TUFFACURE 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.

## COVERAGE

Spray applied at a rate 5.5-6m<sup>2</sup>/litre

### Norsekem Limited

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## APPLICATION

Immediately after stripping of vertical formwork the concrete should be thoroughly dampened with clean water prior to **TUFFACURE S** being applied evenly at a rate of 5.5 to 6.0 m<sup>2</sup> per litre.

On freshly laid horizontal concrete surfaces, ensure surface water has dissipated before spray applying at a rate 5.5 to 6.0 m<sup>2</sup> per litre.

**LIMITATIONS** - **TUFFACURE 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 **TUFFACURE 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.

**TUFFACURE S** *must not be applied before powerfloating.*

## STORAGE & HANDLING

No special storage facilities needed.

Avoid freezing temperatures. Keep away from foodstuffs and children.

## HEALTH & SAFETY

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

## PACKAGING & TRANSPORT

Supplied ready for use in plastic 25ltr and 200ltr containers. Do not dilute. Not regulated for Road Transport

## QUALITY ASSURANCE

Norsekem Limited Products are manufactured under quality assured schemes

Norsekem Limited products are guaranteed against defective materials and manufacture. Products are sold subject to the Norsekem Limited Terms and Conditions of Sale, copies of which are available on request. Norsekem Limited endeavors to ensure that the above data and any further advice is correct, Norsekem Limited can not accept liability for the use to which products are put or the way in which they are used. All recommendations stated by the company are made in good faith. Recommendations do not over-ride the basic obligation of the user to satisfy themselves at all times as to suitability of the product for their particular application.

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