

TUFFASEAL HDS

Water borne sodium silicate based, sealer, surface hardener and dustproofer

DESCRIPTION

TUFFASEAL HDS is a concentrated clear material based on an aqueous solution of sodium silicate and surface active chemicals which when applied to new or old concrete will react with calcium compounds chemically sealing the pores of the matrix, providing a dense, sealed surface with greatly increased resistance to abrasion and chemical attack.

ADVANTAGES

- Easily applied, maintained and cleaned.
- Protects from oils, greases and improves resistance to chemical attack.
- Improves wear resistance, dustproofing qualities and permeability to liquids.
- Permanent for new and old floors.
- Low cost system (concentrated).
- Simple dilution and application to differing densities of concrete, granolithic or terrazzo.
- Excellent impregnation power.
- Has no adverse affect on bond of subsequent coatings. However products that rely on surface penetration to work will not be suitable.

DILUTION RATES

Concrete surface quality	Tuffaseal HDS/ Water Dilution rate	Recommended No. of coats
Porous to moderate density	50/50	3
Dense	50/50	2
Granolithic Terrazo	40/60	1

COVERAGE

Variations will occur due to porosity and profile but as a general guide a single coat of diluted **TUFFASEAL HDS** will cover from 5m²/litre to 8m²/litre. Higher rates will be achieved on grano/terrazzo and smooth paving of up to 20m²/litre.

Norsekem Limited

Unit 6c, Stokes Farm, Binfield Road, Wokingham, Berkshire. RG40 5PR

Tel: 08454027663 Fax: 0845 4027662 Email: sales@norsekem.co.uk

norsekem.co.uk

APPLICATION

New or old concrete floors should be dry, clean and free of surface contamination before application. **Newly placed concrete should be cured for 14 days minimum.**

Dilute **TUFFASEAL HDS** concentrate with clean water dependant on the type of concrete (see table opposite). Apply with plastic watering can and brush into surface ensuring even distribution over the floor avoiding pooling in the low spots and 'misses' on the high spots. Any excess material not absorbed into the surface should be removed by mop or squeegee before drying takes place. Apply second coat after 24 hours in a similar way and a third coat (if necessary) again after subsequent 24 hour delay.

After final coating wash down with clean, warm water after a further 24 hours to remove excess salts.

The floor can take traffic at any time during treatment.

PRECAUTIONS

TUFFASEAL HDS is caustic so operatives should wear gloves and rubber boots. Protect eyes with goggles.

Do not allow **TUFFASEAL HDS** to contact any glass, fabric, metal or painted surfaces, if it does wash off immediately.

Do not use on coloured concretes.

LIMITATIONS

TUFFASEAL HDS is not designed to consolidate concrete surfaces that are friable and/or degrading.

STORAGE & HANDLING

Manufacturer's sealed drums requires no special storage facilities. Protect from freezing.

Minimum 24 months in manufacturer's sealed drums.

HEALTH & SAFETY

Refer to separate safety data sheet. Copies available by request

PACKAGING & TRANSPORT

Supplied ready for use in plastic 25ltr and 205ltr 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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