

Technical Data - Fibre Suppressant

21/03/2025



PRODUCT DESCRIPTION

HATCRETE Fibre Suppressant is a dry-shake topping for commercial and industrial flooring applications. Produces an attractive grey, dense, wear-resistant surface. The product is chloride-free.

MAIN FEATURES

- Fibre suppressant
- Floor hardener
- Ready to use dry-shake application
- Installed at concrete placing stage
- Exceptional wear-resistance
- Packaged in 25 kg water-resistant sacks
- Quality assured to BS EN ISO 9001 certification

SPECIAL PROPERTIES AND USES

Freshly placed concrete treated with **HATCRETE Fibre Suppressant** and trowelled to a smooth finish provides an extremely hardwearing, non-dusting, low maintenance surface with increased resistance to penetration of oils and many other materials. The product is ready to use straight from the bag. **HATCRETE Fibre Suppressant** has been rigorously tested at Aston University and achieved excellent results in impact and abrasion resistance.

Sample Product	Depth of Wear BS 8204 Abrasion	Measured Indentation BRE Impact Test
HATCRETE Fibre Suppressant	0.02mm	0.25mm
Power trowelled concrete	0.49mm	0.50mm

The full investigative report is available on request.

HATCRETE Fibre Suppressant is ideal for producing high quality, extremely hardwearing floors in industrial and production situations, or areas where an aesthetically pleasing, coloured, non-dusting, uniform appearance is required.

COVERAGE

HATCRETE Fibre Suppressant is supplied in 25 kg water-resistant bags. One bag of product is sufficient for an area of approximately 5 - 8 square metres based on the standard coverage of 3 - 5 kgs per square metre.

HAND APPLICATION

HATCRETE Fibre Suppressant must be applied at a minimum rate of 3 kg per square metre and up to 5 kg per square metre for heavily trafficked areas.

MACHINE APPLICATION

HATCRETE Fibre Suppressant may be applied by mechanical spreader at a minimum rate of 5 kg per square metre. If insufficient material is applied by either method, the abrasion resistance may be reduced and the fibres may show through.

AVAILABILITY

HATCRETE Fibre Suppressant is normally available ex-stock, although large quantity orders will be manufactured specifically.

STORAGE

Sacks should be stored off the floor, unopened, in a dry, frost-free environment. Shelf life for this product when stored correctly is approximately 12 months.

SUB-BASE

The sub-base should be graded to ensure a uniform thickness of concrete. It should be compacted, well-drained but moist, and completely free from standing water or frost. Laying on a polythene slip membrane is highly recommended.

CONCRETE

In accordance with good concrete laying practice, the placing and curing of concrete in temperatures below 5°C should be avoided.

For most applications, the concrete should contain a minimum cement content of 325 kg per cubic metre. All aggregates must be non-reactive and if admixtures are incorporated they must not contain chlorides or any other ingredient that will cause "blooming". The mix water should be kept to the minimum required for satisfactory placement and finishing of the concrete.

The concrete must be protected from the elements at all stages of construction. Tents should be employed to deflect heat or rain. In windy conditions it is important to provide shelter to minimise the possibility of surface cracks.

After placing, compacting and screeding level, the concrete should be brought to an even surface by means of a power float, preferably fitted with a pan/disc or with the blades flat to ensure that the surface stays "open".

APPLICATION

It is advisable to prepare an on-site sample panel of the required finish prior to installation, which should be assessed for final appearance, chemical resistance and wet and dry slip properties. Ideally, this should be a minimum of 5 square metres and must utilise the same raw materials as the final project.

HATCRETE Fibre Suppressant should be applied to newly placed concrete when all excess bleed water has disappeared or been dispelled from the concrete, but the surface remains 'plastic'.

MANUFACTURED BY PICS

Unit 2 & 4, Red Shute Hill Ind. Est. Hermitage, Nr Newbury
Berkshire RG18 9QL

Tel: +44 (0) 1635 202224 E-Mail: info@picsuk.com Web: www.hatcrete.com



Technical Data - Fibre Suppressant

21/03/2025



HATCRETE Fibre Suppressant should be applied to newly placed concrete when all excess bleed water has disappeared or been dispelled from the concrete, but the surface remains 'plastic'.

HAND APPLICATION

The Fibre Suppressant must be applied in two separate "shakes" at a total rate of between 3 and 5 kg per square metre, depending on colour and application. Prior to commencement, it is helpful if the bags are placed at equal intervals around the job, equivalent to the relevant coverage rate.

The first application of two-thirds of the material should be broadcast by gloved hand in the "dry-shake" method over the surface of the concrete from a height of not more than half a metre. Do not broadcast over distances of more than 2 metres and the use of bridging is recommended for larger areas. Draughts and windy conditions will adversely affect efficient application. Float the fibre suppressant into the surface of the concrete using a power float with the blades almost flat or fitted with a disc. The edges and any details will need to be hand floated using a wooden or plastic float. Hard trowelling should be avoided at this stage.

Follow immediately with the remaining fibre suppressant, which should be applied by the same method but at right angles to the first application, taking particular care to cover any weak toned areas first until the slab gives a complete uniform appearance throughout.

When the second application of fibre suppressant has been floated, the surface can be trowelled to a "closed" and "tight" finish. Care must be taken to avoid over-trowelling as this may cause darkening or "burning" of the surface.

The fibre suppressant absorbs moisture from the concrete matrix. To ensure that maximum strength and monolithic bonding occur, no additional water should be added at any stage.

MACHINE APPLICATION

HATCRETE Fibre Suppressant is suitable for use with an approved mechanical spreader in conjunction with a laser screed. It should be placed on the concrete in one application of 5 kg per square metre immediately after screeding.

Where a flat interior floor is specified, consideration should be given to achieving a surface with reduced slip characteristics. It is advisable to prepare an on-site sample panel of the required finish prior to installation, which should be assessed for final appearance, chemical resistance and wet and dry slip properties.

CURING

Curing should be carried out using **HATCRETE SB Cure & Seal**, at a minimum rate of one litre per 5m². The relevant Technical Data Sheets must be referred to. In climates where a water based system is more appropriate or if the specification demands, **HATCRETE WB Cure & Seal** should be considered.

MAINTENANCE

Floors finished with HATCRETE sealers require minimal maintenance, depending on the nature and specific use of the floor. Spills should be removed as they occur and the floor may be scrubbed and hosed down with an approved proprietary detergent.

SPECIFICATION CLAUSE

The designated surface shall be topped with HATCRETE Fibre Suppressant, manufactured and supplied by PICS Ltd Unit 2, Red Shute Hill Ind. Est. Hermitage, Nr Newbury, Berkshire RG18 9QL Tel: +44 (0)1635 202224, applied at a minimum rate of..... kg per square metre. The hardener shall have been tested to BS 8204. HATCRETE Fibre Suppressant shall be applied in accordance with the manufacturers current Technical Data Sheet. The manufacturer shall be a BSI registered company with accreditation to BS EN ISO 9001'.

HEALTH AND SAFETY

As with all cementitious products, care must be taken when handling and in use.

Keep away from children and animals.

Before using **HATCRETE Fibre Suppressant** read Safety Data Sheet available from PICS Ltd.

TECHNICAL SERVICES

For further information, call our technical dept on:
UK (01635) 202224
International +44(0) 1635 202224

E-Mail: info@picsuk.com
Website: www.hatcrete.com

PICS Ltd quality system is approved by the BSI and conforms to BS EN ISO 9001. This applies to the manufacture and supply of all PICS Ltd products.

WARRANTY

Pattern Imprinted Concrete Supplies Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and conditions of Sale, copies of which may be obtained on request. Whilst Pattern Imprinted Concrete Supplies Ltd endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

MANUFACTURED BY PICS

Unit 2 & 4, Red Shute Hill Ind. Est. Hermitage, Nr Newbury
Berkshire RG18 9QL

Tel: +44 (0) 1635 202224 E-Mail: info@picsuk.com Web: www.hatcrete.com

