

HATCRETE

Industrial Floor Hardener



Coloured Industrial Quartz, dry-shake floor hardener.



DESCRIPTION

HATCRETE® Industrial Floor Hardener, dry-shake topping for commercial and industrial flooring applications. Produces attractive coloured, dense, wear-resistant surface. The product is chloride-free.

MAIN FEATURES

- Fibre suppressant.
- Floor hardener.
- Ready to use dry-shake application.
- Available in 20 standard colours
- Custom made colour options available
- Installed at concrete placing stage.
- Exceptional wear-resistance.
- Dense, fade resistant, permanent coloured surface
- Packaged in 25kg and 1t water-resistant sacks.
- Quality assured to BS EN ISO 9001 certification.
- Pigments used conform to BS EN 128 78: 1999

SPECIAL PROPERTIES AND USES

Freshly placed concrete treated with HATCRETE® Industrial Floor Hardener and trowelled to a smooth finish provides an extremely hardwearing, coloured, 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® Industrial Floor Hardener 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	0.02 mm	0.25 mm
Power trowelled concrete	0.49 mm	0.50 mm

The full investigative report is available on request.

HATCRETE® Industrial Floor Hardener 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® Industrial Floor Hardener is supplied in 25 kg water-resistant bags and 1t sacks.

HAND APPLICATION

HATCRETE® Industrial Floor Hardener must be applied at a minimum rate of 3 kg per square metre and up to 5 kg per square metre depending on site conditions and for heavily trafficked areas.

MACHINE APPLICATION

HATCRETE® Industrial Floor Hardener 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 colour may be patchy, the abrasion resistance may be reduced and the fibres may show through.

AVAILABILITY

HATCRETE® Industrial Floor Hardener is normally manufactured to order.

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 at all costs.

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.



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