

Technical Data Sheet

StoCrete EFH

High performance emery floor hardener



Characteristics

Area of application

- Warehouses
- Industrial factories
- Car parks and ramps
- Loading areas
- Workshops
- Highly trafficked areas

Properties

- Extremely strong, hard wearing and abrasion resistance surface
- Greater surface density which increases resistance to penetration of oil and grease
- Forms a monolithic bond with base concrete
- Contains very hard non-metallic emery aggregates which are non-rusting
- Non-slip properties attainable
- Easy application using dry shake method
- Economical flooring system
- Ready-to-use factory blend eliminating mixing error
- Available in a range of colours

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Criteria	Standard / test specification	Value / Unit	Notes
Compressive strength	ASTM C109	> 85 N/mm ²	
Flexural strength	BS EN 13892-2	> 12.9 N/mm ²	
Abrasion resistance	EN 13892-4	< 0.1 mm	
Moh's hardness	EN 101	9	

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

Application

Application temperature

Lowest application temperature: +8°C
Highest application temperature: +45°C

Consumption

Type of application	Approx. coverage
Coverage rate depending on wear requirement.	4 – 7 kg/m ²

Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.

Application method

Apply by power-float

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Application	<ol style="list-style-type: none"> 1) The base concrete shall be minimum Grade 30 with water / cement ratio not exceeding 0.55. 2) It should be placed and levelled in accordance with good concrete practice taking care to ensure the bay edges and corner are well compacted. 3) Once the base concrete slab is levelled, sprinkle StoCrete EFH along the edges and compact into the surface using a steel trowel. 4) Quantify the floor area and divide into bays. Layout sufficient materials to meet the specified coverage rate. 5) Timing for application is crucial and the 'readiness' of the base concrete must be determined. A common rule-of-thumb practice is when light foot traffic leaves an approximately 3mm imprint. 6) StoCrete EFH is applied in two stages. Use $\frac{1}{2}$ to $\frac{2}{3}$ of the specified dosage in the first application and broadcast evenly over the bay area. Allow it to darken showing sufficient absorption of moisture from base concrete. Then power float using disc attachment. For inaccessible areas, use hand-trowel to ensure full compaction. 7) When complete, broadcast the remaining of the material at a direction perpendicular to the first application. 8) Allow second application to darken (longer than stage 6) and then float it the same way as before. 9) When concrete is stiff enough so that it will not be damaged, finish the floor using a power float with blades slightly tilted. 10) Cure the treated surface with StoCretec products e.g (StoCryl ACC, StoCryl SCC) or conventional methods of curing such as water cure or plastic sheet. <p>Note: If the concrete floor is to receive subsequent finishes, i.e. epoxy coating, etc., no curing compound should be use</p>	
Cleaning the tools	Tools must be cleaned immediately after use with clean water.	
Notes, recommendations, special information, miscellaneous	Please consult the local sales office for further information and any site assistance required.	
Delivery		
Colour	Natural Grey, Blue, Green, Red	
Packaging	Name	Packing
	StoCrete EFH	25 kg
Storage		
Storage conditions	Store in cool dry conditions; avoid direct sunlight.	
Storage life	This product has a shelf life of 12 months from the manufacturing date.	
Identification		
Product group	Mortar and Floor Hardener	
Safety	Please refer to Safety Data Sheet.	

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Special Notes

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.

Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on www.sto-sea.com.

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*Product images may differ from the actual product.