

# Technical Data Sheet

## StoCrete SFH

Standard cementitious floor hardener

### Characteristics

<b>Functionality</b>	<ul style="list-style-type: none"> <li>• Hard, abrasion resistant surface</li> <li>• Greater surface density which increases resistance to penetration by oil and grease</li> <li>• Forms a monolithic bond with base concrete</li> <li>• Contains non metallic aggregates which are non rusting</li> <li>• Non-slip properties attainable</li> <li>• Easy application using dry shake method</li> <li>• Very economical flooring system</li> <li>• Ready-to-use factory blend eliminating mixing error</li> <li>• Available in a range of colours</li> </ul>
----------------------	---

<b>Application</b>	Apply by power-float
--------------------	----------------------

### Area of use

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

### Technical data

Data	Criteria	Test Standard	Value	Unit
	Compressive strength	ASTM C109	80	N/mm <sup>2</sup>
	Flexural strength	EN 1015-11	12.9	N/mm <sup>2</sup>
	Abrasion resistance	BS EN 13892-4	<0.2	mm
	Moh's hardness	DIN EN 101	7	

The values stated are average values. Due to the use of natural raw material in our products, the actual value determined on an individual delivery may deviate slightly, without compromising product suitability.

### Application

<b>Application procedure</b>	<ol style="list-style-type: none"> <li>1. The base concrete shall be minimum Grade 30 with water / cement ratio not exceeding 0.55.</li> <li>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.</li> <li>3. Once the base concrete slab is levelled, sprinkle Sto Dry-Shake Hardener along the edges and compact into the surface using a steel trowel.</li> <li>4. Quantify the floor area and divide into bays. Layout sufficient materials to meet the specified coverage rate.</li> <li>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.</li> </ol>
------------------------------	--

## Technical Data Sheet

### StoCrete SFH

#### Application

<b>Application procedure (cont'd)</b>	<ol style="list-style-type: none"> <li>6. Sto Dry-Shake Hardener is applied in two stages. Use 1/2 to 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.</li> <li>7. When complete, broadcast the remaining of the material at a direction perpendicular to the first application.</li> <li>8. Allow second application to darken (longer than stage 6) and then float it the same way as before.</li> <li>9. When concrete is stiff enough so that it will not be damaged, finish the floor using a power float with blades slightly tilted.</li> <li>10. Cure the treated surface with Sto Curing Membranes. If the concrete floor is to receive subsequent finishes, i.e. epoxy coating, etc., no curing compound should be used. Conventional methods of curing such as water cure, gunny sack or plastic sheet method is recommended.</li> </ol>
---------------------------------------	---

<b>Consumption</b>	The theoretical coverage rate of StoCrete SFH is 4 - 7kg/m <sup>2</sup> , depending on the wear requirement.
--------------------	--

<b>Application temperature</b>	Minimum application temperature +8°C Maximum application temperature +45°C
--------------------------------	---

<b>Cleaning of tools</b>	Tools must be cleaned immediately after use with clean water.
--------------------------	---

#### Delivery

<b>Colour</b>	Natural grey, light ivory, pastel blue, may green, sage green, dark grey, light grey, red oxide, brick red
---------------	--

<b>Packing</b>	StoCrete SFH is available in 25kg bag.
----------------	--

#### Storage

<b>Storage life/conditions</b>	The shelf life of StoCrete SFH is approximately 12 months if stored in cool dry conditions.
--------------------------------	---

#### Special notes

<b>Safety Precautions</b>	StoCrete SFH is non-flammable. It contains cement powders which if damp or mixed with water, will release alkali which can be harmful to the skin or eyes. Therefore, the use of protective gloves and goggles is recommended. However, should accidental eye contact occur, rinse thoroughly with plenty of clean running water and seek medical treatment immediately.
---------------------------	--

<b>Technical Support</b>	Please consult Sto Technical Service Department or the local sales office for further information and any site assistance required.
--------------------------	---

<b>Disclaimer</b>	Sto Products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions. Whilst efforts are made to ensure that any advice, recommendation, specification or information STO SEA may give is
-------------------	--

# Technical Data Sheet

---

## StoCrete SFH

### Special notes

#### Disclaimer (cont'd)

accurate and correct, it cannot accept any liability either directly or indirectly arising from the use of its products as it has no direct or continuous control over where or how the products are applied, whether or not in accordance with any advice, specification, recommendation or information given by it. If any product fails to conform, STO SEA will replace the product at no cost to the buyer. Replacement of any products shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within six months from the date of the claimed breach. Buyers shall be solely responsible for determining the suitability of products for their intended use.

#### **Sto SEA Pte Ltd**

159 Sin Ming Road  
#06-02 Amtech Building  
Singapore 575625  
Phone : +65 6453 3080  
Fax : +65 6453 3543  
[Info.sg@sto.com](mailto:Info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

#### **Sto SEA Sdn Bhd**

No. 15 Jalan Teknologi PJU 3/3A  
Surian Industrial Park Kota Damansara  
47810 Petaling Jaya, Selangor Malaysia  
Phone : +60 03 6156 6133  
Fax : +60 03 6156 7133  
[Info.sg@sto.com](mailto:Info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

#### **StoCretec GmbH**

Gutenbergstraße 6  
D-65830 Kriftel  
Germany  
Phone : +49 6192 401 104  
Fax : +49 6192 401 105  
[Info.sg@sto.com](mailto:Info.sg@sto.com)  
[www.stocretec.de](http://www.stocretec.de)