



# Stikko Rock Top

## Non-metallic Mineratory Shake 'Floor Hardener

<b>Product Description</b>	Stikko Rock Top is a one part, preblended, coloured mineral dry shake hardener for concrete comprising of cement, specially selected natural mineral aggregates, admixtures and pigments
<b>Uses</b>	<ul style="list-style-type: none"> <li>❑ Stikko Rock Top provides a hard wearing, mineral dry shake topping for monolithic floors. When sprinkled and trowelled into fresh wet concrete floors, it forms a coloured, wear resistant smooth surface</li> <li>❑ Typical uses are in warehouses, factories, shopping malls public areas, restaurants and museums</li> </ul>
<b>Characteristics/ Advantages</b>	<ul style="list-style-type: none"> <li>❑ Good wear resistance rating</li> <li>❑ Impact resistance</li> <li>❑ Cost effective surface hardener</li> <li>❑ Dust proof</li> <li>❑ Easy cleaning</li> <li>❑ Increased resistance to oils and grease</li> <li>❑ Quality assured factory blending</li> <li>❑ Suppresses superficial fibres in concrete</li> </ul>

### Product Data

<b>Form</b>	
<b>Appearance/Colours</b>	Powder Natural ( Concrete Grey ) other Colours upon request
<b>Packaging</b>	30 kg bags
<b>Storage</b>	
<b>Storage Conditions / Self-Life</b>	12 months from date of production if stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +50C and +300C.
<b>Technical Data</b>	
<b>Chemical Base</b>	Natural mineral aggregates graded and mixed with cement, admixtures and pigments.
<b>Bulk Density</b>	~1.5 ± 0.1 kg/l at 270C
<b>Layer Thickness</b>	~2.5 to 3.0 mm at dosage of ~ 5.0 kg/m2



<b>Mechanical / Physical Properties</b>	
Abrasion Resistance	~1.7 mm thickness loss (average) (According to IS 1237 - 1980)
<b>System Information</b>	
System Structure	Use products mentioned below as indicated in their respective Product Data Sheets Substrate : Fresh Concrete Slab (See Substrate Quality below) Dryshake : Manual or Machine application of Stikko Rock Top Leveling of surface by means of power trowel or laser screed. Final Smoothing with power trowel. Curing Compound : Application of Stikko Rock Top Pro Seal range
<b>Application Details</b>	
Consumption	For Light duty 3.5 to 4.0 kg/m <sup>2</sup> For Medium duty 4.5 to 5.0 kg/m <sup>2</sup> For Heavy duty 5.5 to 6.0 kg/m <sup>2</sup>
Substrate Quality	The Concrete deliveries must be of consistent quality. A Concrete slump in the range 75 to 110 mm will normally give best results. The slab must be of good quality concrete with a minimum water/cement ratio consistent with production of a fully compacted slab. The compressive must be a minimum of 20 N/mm <sup>2</sup> . Use of Stikko Rock Top super plasticisers is advised to ensure the optimum quality of concrete and where fibers are used, their optimum dispersion within the mix. Air Entrained concrete is not a suitable substrate for the application of dry Shake hardeners.
<b>Application Conditions / Limitations</b>	
Substrate Temperature	+5°C min. / +35°C max.
Ambient Temperature	+5°C min. / +35°C max.
Relative Air Humidity	+30% r.h. min. / +98% r.h. max.
<b>Application Instructions</b>	
Application Method / Tools	Dependent on the conditions, remove the surface "bleed" water or allow it to evaporate. Stikko Rock Top onto the screeded concrete evenly in 2 stages (first stage: 60%; second stage: 40%). Care must be taken to apply the product without creating ripples etc. in the concrete surface. <b>Compaction :</b> The first application must be worked into the slab followed immediately by application of the second stage quantity of Stikko Rock Top

	<p><b>Note :</b></p> <ul style="list-style-type: none"> <li>❑ Never add water to the surface where the dryshake has been applied.</li> <li>❑ Stikko Rock Top results in the slab surface becoming “Stiff” more quickly than usual. Careful trimming must take place along the edger where adjoining slabs are to be poured.</li> </ul> <p>Final finishing closing pores and removing undulations can be achieved wither by hand or powered trowel.</p>
<p><b>Cleaning of Tools</b></p>	<p>Clean all tools and application equipment with water immediately after use, Hardened / Cured material can be removed mechanically.</p>
<p><b>Application Time</b></p>	<p>Application time for dryshake products is influenced by every variable which affects the placing of concrete, and can therefore vary substantially, depending on the prevailing conditions.</p> <p>For mechanical application with automatic spreader and laser screed the spreading can start almost immediately after the concrete has been levelled to allow for the hydration of the dryshake. Compaction with the trowel can start as soon as the weight of the power trowels is supported by the concrete.</p> <p>For manual application the dryshake must be spread once the concrete can be stepped on without leaving a print deeper than 3 - 5 mm.</p> <p>Periodical checking of the condition and development of the concrete will determine the correct time frame for each stage and sequence of application.</p>
<p><b>Motes on Application / Limitations</b></p>	<p>The application of the dry shake powder must not be carried out in strong wind or in dry conditions.</p> <p>Do not use concrete where some cement has been replaced by fly ash, as this makes the mix sticky and less workable</p> <p>Variations In concrete characteristics such as water content and cement may lead to slight colour variations.</p> <p>Dry shake hardeners give a finish to concrete with some' colour variation across the floor due to the natural variability of the concrete onto which they are applied.</p> <p>To ensure optimum of colour consistency, it is essential that the floor laying operation is as clean and protected from the environment as possible.</p> <p>Colour variation during the drying out period Is normal for this system and is to be expected.</p> <p>Every effort must be made to ensure an even application of Stikko Rock Top. Correct timing and trowelling techniques are essential.</p> <p>At low relative humidities (below 40%)efflorescence can appear on the surface.</p> <p>At high relative humidities (above80%), bleeding, slower curing and hardening can occur and extended finishing operations be required.</p> <p>For Mechanical Application - Automatic Spreader in conjunction with a leaser screed spread Stikko Rock Top evenly onto the concrete immediately after screeding in one application.</p>

<b>Curing Details</b>							
Curing Treatment	<p>Cure and seal Stikko Rock Top immediately after finishing using any of the products in the Stikko Rock Top range. (Refer to separate Product Data Sheet). Apply by roller of fine mist spray. Disperse any excess pools using a roller.</p> <p><b>Joints :</b> After finishing operations and completing saw cuts, clean off any residual saw lubricant / slurry without delay. Joints can be filled with Stikko Rock Top or any other appropriate Stikko Rock Top sealant In accordance with the floor design requirements.</p>						
<b>Applied Product ready for use</b>							
	<table border="1"> <tr> <td>Substrate Temperature</td> <td>(27° C)</td> </tr> <tr> <td>Foot Traffic</td> <td>~72 hours</td> </tr> <tr> <td>Fully Serviceable</td> <td>~7 hours</td> </tr> </table> <p>The above values are dependant upon the concrete reaching its design strength for serviceability and will be affected by changing ambient conditions, particularly temperature and relative humidity.</p>	Substrate Temperature	(27° C)	Foot Traffic	~72 hours	Fully Serviceable	~7 hours
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<b>Cleaning / Maintenance</b>							
Methods	To maintain the apperance of the floor after application Stikko Rock Top all splliaged removed immediately and must be regularly cleaned using rotary brush, mechanical scrubber dryer, high pressure washer wash and vacuum techniques etc., using suitable detergents and waxes.						
<b>Value Base</b>	All techncal data stated in this Product Data Sheet are based on laboratory tests, Actual measured data may vary due to circumstances beyond our control.						
<b>Health and Safety Information</b>	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.						
<b>Legal Notes</b>	The Information, and, in particular, the recommendation relating to the application and-end-use of Stikko Rock Top products, are given in good faith bas on Stikko Rock Top's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Stikko Rock Top's recommendations. In practice, the differences In materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be Inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Stikko Rock Top reserves the right to change the						