

## Technical Information

# RENAFIX FLOOR TOP HARDENER

## Premixed Non-metallic mineral based floor hardener

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<b>Overview</b>	A pre-blended, easy to use dry shake powder for concrete floors and toppings. Renafix FTH results in a hard, dense surface which resists corrosion and absorption of grease, oils and most of the chemical stains.
<b>Key Features</b>	<ul style="list-style-type: none"> <li>◆ Ready to use, Just add water.</li> <li>◆ Easy mixing and application</li> <li>◆ Non-metallic Rust free</li> <li>◆ Monolithic hardening</li> <li>◆ Ready to Use and Economical</li> <li>◆ Offers a non-slippery surface</li> <li>◆ Provides high impact resistance</li> <li>◆ High abrasion and impact resistance</li> <li>◆ Formulated with locally sourced minerals</li> <li>◆ Contribute to LEED points</li> </ul>
<b>Standards/ Test Methods</b>	<p>IS 1237: 1980*</p> <p>Note: FTH has been tested as per the above mentioned Test methods</p>
<b>Areas of Application</b>	<p>Recommended for use on floors subjected to severe mechanical or hard wearing surface coverings, such as</p> <ul style="list-style-type: none"> <li>◆ Loading and unloading bays,</li> <li>◆ Floors in airport and customs hangars.</li> <li>◆ Floors in Industrial environments,</li> <li>◆ Warehouse, Factories, Public areas, car parks, Museums, Garages, Service Stations and outdoor surface of all kinds.</li> </ul> <p><b>Note:</b> Contact Our Technical Services for recommendations.</p>
<b>Installation</b>	<p><b>Surface/Base Concrete Preparation</b></p> <ul style="list-style-type: none"> <li>◆ The floors/Concrete Surfaces should be sound in order to withstand future mechanical stress.</li> <li>◆ The aggregate used should be properly sized and graded.</li> <li>◆ The concrete should have a cement content of 300 kg/m<sup>3</sup> for concrete and 400 kg/m<sup>3</sup> for screeds. Ensure the concrete surface has been treated properly before installed the screed.</li> <li>◆ Surface to which the FTH being used should be pre-levelled with a suitable trowel.</li> </ul> <p><b>Floating Application</b></p> <p>The Scattering of the FTH powder over the surfaces should be conducted in two stages in a perpendicular direction to achieve uniform coverage and finishing</p> <ul style="list-style-type: none"> <li>◆ Scatter around 60 % of the required FTH powder at the first step over the freshly laid concrete surface. Allow Sufficient time for FTH for the moistening. Observe the scattered powder turning to a dark tone.</li> <li>◆ Spread/Sprinkle the remaining 40% of the powder after 30 to 45 min and float the surface mechanically using a power floater to achieve a desired finishing of the surface.</li> <li>◆ Ensure the trowel does not cause any damage to the laid surface.</li> </ul> <p><b>Warning</b></p> <ul style="list-style-type: none"> <li>◆ Earlier application can cause the FTH to sink. On the other hand, delayed application results in poor/uneven surface.</li> <li>◆ Ensure the user follow proper application methodology.</li> </ul>

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### Protection

- ◆ Water curing by ponding is recommended for 7 days.
- ◆ Immediately after use, equipment and tools should be cleaned with clean water
- ◆ Avoid contact with eyes and prolonged contact with the skin.
- ◆ Care should be taken to avoid inhalation or ingestion of dust and prevent contact with the eyes

Technical Data (typical values)		
<b>General</b>		
Bulk density (kg/m <sup>3</sup> )	1325	
Dry Solid Content	100	
Type	Ready to Use Powder	
Base	Natural aggregates, Portland Cement and additives	
<b>Performance</b>		
Parameters	Test Method	Typical Values
Abrasion resistance (mm)	IS 1237:1980	
Low Duty		0.20
Medium Duty		0.13
Heavy Duty		0.09
Mohs Scale Hardness	Internal test method	6-7
Coverage (kg/m <sup>2</sup> )		
Light to Moderate Duty		2.5 to 3.5
Moderate to Heavy Duty		3.5 to 5.0
Super Heavy Duty	5.0 to 7.5	

**Packaging & Shelf Life**    Renacon Floor Top Hardener is available as 25 kg bag.  
 Colour: Grey  
 Has a shelf life of 12 months from the date of Manufacturing when stored in a dry, elevated area in the original unopened packaging

**Warning!**    Keep out of reach of Children.  
 Product for Professional Use  
 Wear Suitable protective clothing, gloves while handling  
 For Clarifications and Usage related queries, Contact our Technical Services

## Technical Information

### Additional Information

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# Renacon



The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. All the above information must in every case be taken as merely indicative and subject to confirmation after long time application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

The applicable version of the Technical Data Sheet for this product can be downloaded from our websites. Previous versions of the Technical Data Sheets are rendered void with the issue of a new one. Date of issue: 16.06.2022/O