

Deckshield Rapide SH

Rapid-curing flexible decking system, 4.0 mm nominal thickness

Introduction	<p>This specification assumes a concrete base >25 N/mm² compressive strength (laid to falls to drains) and application temperature 0°C to 30°C.</p> <p>For temperatures <0°C consult Flowcrete Technical department.</p>
Surface preparation	<p>By enclosed shot blasting or scarification. Finish edges with hand tools. Remove all residues to leave a dry and dust free open textured surface.</p>
Mixing	<p>With a slow speed drill and helical spinner.</p>
Reinforcement banding with scrim over joints and cracks	<p>Before applying the Deckshield Rapide SH system, reinforce construction joints and cracks as follows:</p> <p>Apply a band of Deckshield Damp Primer (wht), 50 mm wider than the reinforcing scrim. Allow to cure.</p> <p>Apply a band of Deckshield Rapide Membrane (wht). While still wet, apply Deckshield Scrim (Woven Glass Fibre XR100), immediately followed by a second layer of Deckshield Rapide Membrane (wht). Allow to cure.</p>
Reinforcement banding over upstands and gullies	<p>Reinforce all horizontal and vertical junctions and gullies etc as follows:</p> <p>Apply a band of Deckshield Damp Primer (wht) and allow to cure.</p> <p>Apply a band of Deckshield Rapide Membrane (wht) and allow to cure.</p> <p>Note: Apply Membrane in two layers on vertical surfaces to prevent slumping.</p>
Primer	<p>Use Deckshield Damp Primer (wht).</p> <p>Ensure a continuous, unbroken resin film, which ensures full through cure. Apply a second layer if glossy or tacky patches are visible after cure.</p> <p>Scatter the final primer layer with Dorsilit Natural Quartz 0.3-0.8 mm while still wet and allow to cure.</p>
Note	<p><i>The primer should be applied either side of the reinforcement banding, not over it. The remainder of the system should then be carried over the banding.</i></p>
Membrane	<p>Apply a coat of Deckshield Rapide Membrane (wht) at 1 mm thickness and allow to cure.</p> <p>Note: <i>To ensure good adhesion between the membrane layers, the membrane must be applied over the banding on the same day. If this period is exceeded, wipe the surface of the banding with Flowfast Cleaner to reactivate and apply the waterproofing layer within 1 hour.</i></p>
Bodycoat + anti-slip aggregate	<p>Apply a bodycoat layer of Deckshield Flexible Binder (wht), mixed 1:1 by weight with Flowfast SNL Filler. While still wet, scatter to excess with Natural Quartz 0.7-1.2 mm.</p> <p>Allow to cure and remove excess Quartz.</p>

Topcoat Apply Deckshield Rapide Topcoat in 1 or 2 layers.

Traffic Full traffic 1 hour after the application of the Deckshield Rapide Topcoat.

Products included in system

Reinforcement banding with scrim over joints and cracks

Deckshield Damp Primer (wht)	@ 0.5 - 0.6 kg/m ² (in one or two layers)
Deckshield Rapide Membrane (wht)	@ 0.75 kg/m ²
Deckshield Scrim (Woven Glass Fibre XR100)	
Deckshield Rapide Membrane (wht)	@ 0.75 kg/m ²

Reinforcement banding over upstands and gullies

Deckshield Damp Primer (wht)	@ 0.5 - 0.6 kg/m ² (in one or two layers)
Deckshield Rapide Membrane (wht)	@ 1.0 – 1.2 kg/m ² total

Note: Apply membrane in two layers on vertical surfaces to prevent slumping.

Decking

Primer

Deckshield Damp Primer (wht)	@ 0.5 - 0.6 kg/m ² (in one or two layers)
Dorsilit Natural Quartz 0.3-0.8 mm	@ 0.3 kg/m ²

Membrane

Deckshield Rapide Membrane (wht)	@ 1.3 kg/m ²
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Bodycoat

Deckshield Flexible Binder (wht)	@ 0.75 kg/m ² , mixed with
Flowfast SNL Filler	@ 0.75 kg/m ²

Anti-slip aggregate

Natural Quartz 0.7-1.2 mm	@ 2.5 kg/m ²
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Topcoat

Deckshield Rapide Topcoat	@ 0.6 kg/m ² in 1 or 2 layers
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(See the relevant Product datasheets for Flowfast Catalyst addition rates)

Additional information

Please consult Health & Safety, system, product and application data or contact our Technical Advisory team on 01270 753000 or email uk@flowcrete.com.

Specification reference

Deckshield Rapide SH 11.9.15

Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.