

Flowcoat SF41 with Grade 52 silica sand

Solvent free textured epoxy resin coating, 1 mm nominal thickness

Introduction	This specification assumes a concrete base >25 N/mm ² compressive strength, application temperature 10-25°C, presence of an effective damp proof membrane and moisture content below 75% RH in the concrete.	
Surface preparation	By enclosed shot blasting or scarification. Finish edges with hand tools. Remove all residues to leave a dry and dust free open textured surface.	
Mixing	With a slow speed drill and helical spinner.	
Primer	For weak or porous substrates, use Flowprime.	
Floor finish	Spread one coat of Flowcoat SF41 using a squeegee and finish with a roller. While still wet, blind to excess with Grade 52 dry silica sand. Allow to cure and remove excess sand. Apply the second coat of Flowcoat SF41 and allow to cure.	
Curing	24 hours at 10°C. No curing membranes required.	
Traffic	Light traffic after 24 hours, full traffic after 48 hours.	
Products included in system	Primer (for weak substrates only) Flowprime @ 0.25 kg/m ² Floor finish Flowcoat SF41 @ 0.25 kg/m ² Grade 52 dry silica sand @ 2 kg/m ² Flowcoat SF41 @ 0.30 kg/m ² (approx. depending on texture required)	
Additional information	Please consult Health & Safety, system, product and application data or contact our Technical Advisory team on 01270 753 000 or email uk@flowcrete.com .	
Specification reference	Flowcoat SF41 with Grade 52 silica sand 4.7.14	

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Flowcoat SF41 with Grade 30 silica sand

Solvent free textured epoxy resin coating, 1 mm nominal thickness

Introduction	This specification assumes a concrete base >25 N/mm ² compressive strength, application temperature 10-25°C, presence of an effective damp proof membrane and moisture content below 75% RH in the concrete.	
Surface preparation	By enclosed shot blasting or scarification. Finish edges with hand tools. Remove all residues to leave a dry and dust free open textured surface.	
Mixing	With a slow speed drill and helical spinner.	
Primer	For weak or porous substrates, use Flowprime.	
Floor finish	Spread one coat of Flowcoat SF41 using a squeegee and finish with a roller. While still wet, blind to excess with Grade 30 dry silica sand. Allow to cure and remove excess sand. Apply the second coat of Flowcoat SF41 and allow to cure.	
Curing	24 hours at 10°C. No curing membranes required.	
Traffic	Light traffic after 24 hours, full traffic after 48 hours.	
Products included in system	Primer (for weak substrates only) Flowprime @ 0.25 kg/m ² Floor finish Flowcoat SF41 @ 0.25 kg/m ² Grade 30 dry silica sand @ 2 kg/m ² Flowcoat SF41 @ 0.40 kg/m ² (approx. depending on texture required)	
Additional information	Please consult Health & Safety, system, product and application data or contact our Technical Advisory team on 01270 753 000 or email uk@flowcrete.com .	
Specification reference	Flowcoat SF41 with Grade 30 silica sand 7.8.14	

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Flowcoat SF41 with smooth finish

Solvent free smooth epoxy resin coating 0.35 mm

Introduction	This specification assumes a concrete base >25 N/mm ² compressive strength, application temperature 10-25°C, presence of an effective damp proof membrane and moisture content below 75% RH in the concrete.
Surface preparation	By enclosed shot blasting or scarification. Finish edges with hand tools. Remove all residues to leave a dry and dust free open textured surface.
Mixing	With a slow speed drill and helical spinner.
Primer	For weak or porous substrates, use Flowprime.
Floor finish	Spread two coats of Flowcoat SF41 using a squeegee and finish with a roller. Allow first coat to harden before applying second coat.
Curing	24 hours at 10°C. No curing membranes required.
Traffic	Light traffic after 24 hours, full traffic after 48 hours.
Products included in system	Primer (for weak substrates only) Flowprime @ 0.25 kg/m ² Floor finish Flowcoat SF41 @ 0.5 kg/m ² for two coats
Additional information	Please consult Health & Safety, system, product and application data or contact our Technical Advisory team on 01270 753 000 or email uk@flowcrete.com .
Specification reference	Flowcoat SF41 smooth 30.6.14

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Flowcoat SF41 on Flowseal EPW Primer

Solvent free smooth and textured epoxy resin coating on water based epoxy primer.

Introduction

This specification assumes a concrete base $>25 \text{ N/mm}^2$ compressive strength, with an application temperature of between $10\text{-}25^\circ\text{C}$, and the presence of an effective damp proof membrane and moisture content below 75% RH in the concrete.

Surface preparation

Mechanically prepare surface of existing concrete substrate by vacuum assisted shot blasting or diamond grinding. Finish edges with diamond grinding hand tools with vacuum attachment. Vacuum prepared concrete surface to remove all residues to leave a dry and dust free mechanically prepared open textured surface.

Mixing

With a slow speed drill and helical spinner.

Primer (Flowseal EPW).

Prime with one coat of Flowseal EPW, diluted with 20% clean water by weight after mixing, (*N.B. 20% dilution = 1.8 litres per 9.1 kg unit*), spread the mixed and diluted Flowseal EPW using a squeegee and finish with a short pile mohair roller. Allow to cure.

Floor finish – smooth option

Spread two coats of Flowcoat SF41 using a squeegee and finish with a roller. Allow first coat to harden before applying second coat.

Floor finish – textured option

Spread one coat of Flowcoat SF41 using a squeegee and finish with a roller. While still wet, blind to excess with 52 mesh dry silica sand. Allow to cure and remove excess sand.

Apply the second coat of Flowcoat SF41 and allow to cure.

Traffic

Light traffic after 24 hours, full traffic after 48 hours.

Products included in system

Primer (Flowseal EPW)

Flowseal EPW (20% dilution) @ 0.15 kg/m^2 approx

(*N.B. 20% dilution = 1.8 litres per 9.1 kg unit*).

Floor finish – smooth option

Flowcoat SF41 @ 0.5 kg/m^2 for two coats

Floor finish – textured option

Flowcoat SF41 @ 0.25 kg/m^2

Dry silica sand 52 mesh @ 2 kg/m^2

Flowcoat SF41 @ 0.30 kg/m^2

(*approx. depending on texture required*)

Additional information

Please consult Health & Safety, system, product and application data or contact our Technical Advisory team on 01270 753 000 or email

uk@flowcrete.com.

**Specification
reference**

Flowcoat SF41 on Flowseal EPW Primer (20% dilution) 21.2.17

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Flowcoat SF41 on a pump screed

Solvent free smooth or textured epoxy resin coating, 0.4 - 1 mm nominal thickness on a pump screed base

Introduction	This specification assumes a base of an existing sound cementitious pump screed >25 N/mm ² compressive strength, application temperature 10-25°C, presence of an effective damp proof membrane and moisture content below 75% RH in the screed.	
Surface preparation	Sand the surface lightly with an STR or similar fitted with a carborundum pad. Remove all residues to leave a dry and dust free open textured surface.	
Mixing	With a slow speed drill and helical spinner.	
Primer	Prime with one coat of Flowseal EPW, diluted with 20% water by weight after mixing, and allow to cure. <i>(N.B. 20% dilution = 1.8 litres per 9.1 kg unit)</i>	
Floor finish – smooth option	Spread two coats of Flowcoat SF41 using a squeegee and finish with a roller. Allow first coat to harden before applying second coat.	
Floor finish – Textured option	<p>Spread one coat of Flowcoat SF41 using a squeegee and finish with a roller. While still wet, blind to excess with Grade 30 or 52 dry silica sand. Allow to cure and remove excess sand.</p> <p>Apply the second coat of Flowcoat SF41 and allow to cure.</p>	
Curing	24 hours at 10°C. No curing membranes required.	
Traffic	Light traffic after 24 hours, full traffic after 48 hours.	
Products included in system	<p>Primer on Industrial Top</p> <p>Flowseal EPW (20% dilution) @ 0.15 kg/m² approx.</p> <p>Floor finish – smooth option</p> <p>Flowcoat SF41 @ 0.5 kg/m² for two coats</p> <p>Floor finish – textured option</p> <p>Flowcoat SF41 @ 0.25 kg/m²</p> <p>Dry silica sand 30 or 52 mesh @ 2 kg/m²</p> <p>Flowcoat SF41 @ 0.30 kg/m² <i>(approx. depending on texture required)</i></p>	

Additional information

Please consult Health & Safety, system, product and application data or contact our Technical Advisory team on 01270 753 000 or email uk@flowcrete.com.

Specification reference

Flowcoat SF41 on a pump screed 19.1.16

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Flowcoat SF41 Composite

Solvent free high build anti-slip epoxy resin coating (3 mm nominal thickness)

Introduction

This specification assumes a concrete base $>25 \text{ N/mm}^2$ compressive strength, application temperature $10\text{-}25^\circ\text{C}$, presence of an effective damp proof membrane and moisture content below 75% RH in the concrete.

Surface preparation

By enclosed shot blasting or scarification. Finish edges with hand tools. Remove all residues to leave a dry and dust free open textured surface.

Mixing

With a slow speed drill and helical spinner.

Primer

For weak or porous substrates only, use Flowprime. Allow to cure.

Floor finish

Apply Flowcoat SF41 using a squeegee and finish with a roller. While still wet, scatter to excess with 30 mesh silica sand and allow to cure. Remove excess sand.

Apply Flowcoat SF41 Composite using a squeegee and finish with a roller. While still wet, scatter to excess with 52 mesh silica sand and allow to cure.

(Flowcoat SF41 Composite = 14 kg Flowcoat SF41 + 5 kg Composite Filler)

Apply a second coat of Flowcoat SF41 Composite using a squeegee and finish with a roller. While still wet, scatter to excess with 52 mesh silica sand and allow to cure.

Remove excess sand and apply a final coat of Flowcoat SF41. Allow to cure.

Curing

24 hours at 10°C . No curing membranes required.

Traffic

Light traffic after 24 hours, full traffic after 48 hours.

Products included in system

Flowprime	@ 0.25 kg/m ²
<i>(For weak or porous substrates only)</i>	
Flowcoat SF41	@ 0.25 kg/m ²
30 mesh sand	@ 2.0 kg/m ²
Flowcoat SF41 Composite	@ 1.5 kg/m ²
<i>(= Flowcoat SF41 @ 1.1 kg/m², Composite Filler @ 0.4 kg/m²)</i>	
52 mesh sand	@ 2.0 kg/m ²
Flowcoat SF41 Composite	@ 1.5 kg/m ²
<i>(component coverages as above)</i>	
52 mesh sand	@ 2.0 kg/m ²
Flowcoat SF41	@ 0.4 kg/m ²

Additional information

Please consult Health & Safety, system, product and application data or contact our Technical Advisory team on 01270 753 000 or email uk@flowcrete.com.

Specification reference

Flowcoat SF41 Composite 3 mm 8.7.14

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Flowcoat SF41 Composite

Solvent free high build anti-slip epoxy resin coating (2 mm nominal thickness)

Introduction	This specification assumes a concrete base >25 N/mm ² compressive strength, application temperature 10-25°C, presence of an effective damp proof membrane and moisture content below 75% RH in the concrete.																
Surface preparation	By enclosed shot blasting or scarification. Finish edges with hand tools. Remove all residues to leave a dry and dust free open textured surface.																
Mixing	With a slow speed drill and helical spinner.																
Primer	For weak or porous substrates only, use Flowprime. Allow to cure.																
Floor finish	<p>Apply Flowcoat SF41 using a squeegee and finish with a roller. While still wet, scatter to excess with 30 mesh silica sand and allow to cure. Remove excess sand.</p> <p>Apply Flowcoat SF41 Composite using a squeegee and finish with a roller. While still wet, scatter to excess with 52 mesh silica sand and allow to cure. (Flowcoat SF41 Composite = 14 kg Flowcoat SF41 + 5 kg Composite Filler)</p> <p>Remove excess sand and apply a final coat of Flowcoat SF41. Allow to cure.</p>																
Curing	24 hours at 10°C. No curing membranes required.																
Traffic	Light traffic after 24 hours, full traffic after 48 hours.																
Products included in system	<table> <tr> <td>Flowprime</td><td>@ 0.25 kg/m²</td></tr> <tr> <td colspan="2"><i>(For weak or porous substrates only)</i></td></tr> <tr> <td>Flowcoat SF41</td><td>@ 0.25 kg/m²</td></tr> <tr> <td>30 mesh sand</td><td>@ 2.0 kg/m²</td></tr> <tr> <td>Flowcoat SF41 Composite</td><td>@ 1.5 kg/m²</td></tr> <tr> <td colspan="2"><i>(= Flowcoat SF41 @ 1.1 kg/m², Composite Filler @ 0.4 kg/m²)</i></td></tr> <tr> <td>52 mesh sand</td><td>@ 2.0 kg/m²</td></tr> <tr> <td>Flowcoat SF41</td><td>@ 0.4 kg/m²</td></tr> </table>	Flowprime	@ 0.25 kg/m ²	<i>(For weak or porous substrates only)</i>		Flowcoat SF41	@ 0.25 kg/m ²	30 mesh sand	@ 2.0 kg/m ²	Flowcoat SF41 Composite	@ 1.5 kg/m ²	<i>(= Flowcoat SF41 @ 1.1 kg/m², Composite Filler @ 0.4 kg/m²)</i>		52 mesh sand	@ 2.0 kg/m ²	Flowcoat SF41	@ 0.4 kg/m ²
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Specification reference	Flowcoat SF41 Composite 2 mm 8.7.14																

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