

DECKSHIELD SF

A solvent free, clear, 2 or 3 pack, polyurethane resin primer and body coat, BBA approved Deckshield System.

Uses

For priming of concrete, screeds and asphalt prior to overcoating with Deckshield Elastomeric Membrane and Finish.

Deckshield SF is also used as a body coat for application over Deckshield Elastomeric Membrane incorporating slip resistant aggregates.

Benefits

- ✓ BBA tested and approved.
- ✓ Outstanding bond adhesion > cohesive strength of substrates
- ✓ Solvent free.
- ✓ Fast track installation
- ✓ FAA Fire rating

Physical Properties

	10°C	20°C
Pot life	30 mins	20 mins
Working life	35mins	25mins
Tack free	10 hrs	5 hrs
Maximum overcoating time	36 hrs	24 hrs
Density	1.35 kgs/litre	
Fastcure versions available.		

Surface Preparation

Laitence and contamination to be removed by totally enclosed shot blasting, power grinding or scarification. All residues must be removed to provide a clean, dry, dust free open textured surface.

Mechanical preparation is needed to remove laitence and contamination. Several methods are available depending on the profile and depth of removal required.

1. Shot blasting: Enclosed vacuum blasting can give a range of profiles from light to heavy, suitable for application of toppings from coatings to trowelled screeds. Generally, the thicker the topping, the greater the profile required.

2. Scarification: A wide range of equipment is now available, capable of producing a range of profiles. Vacuum extraction is also available.

3. Grinding: Generally gives a fine textured finish, suitable to receive the Deckshield System. i.e. Assuga or HTC Machines.

4. Hot Compress Air: Can be useful for contaminated surfaces.

5. Acid Etching/Wire Brushing: Not recommended.

6. For edge work and upstands detailing: Hand held equipment is recommended.

Note: Whatever method of preparation is used all dust/debris must be removed by thorough vacuuming.

Mixing

Pour total Hardener B into Base A container and drain thoroughly. Ensure that the materials are thoroughly mixed using a slow speed industrial hand drill and helical spinner.

If specified, add filler whilst continuing to mix, add in stages allowing wet out thoroughly prior to further additions. Finally scrape down sides of container and transfer to another container and re mix for 1 minute.

Do not mix by hand.

Pack components are pre-weighed for optimum performance. Never split or proportion packs.

Application (Primer)

Immediately after mixing, spread the Deckshield SF using a squeegee and/or medium pile roller, ensuring it is worked into all surface irregularities.

For porous floors, where a second coat is required, allow the first coat to cure and apply the second coat as above.

Application (Body Coat)

Immediately after mixing, spread the Deckshield SF using a squeegee to lay the material over previously applied Deckshield Elastomeric Membrane, and a roller to 'lay' the material off. Slip resistant aggregate should be incorporated within the wet surface in accordance with specification requirements.

Coverage

0.4 - 1 kg/m² dependant on substrate porosity, surface texture, method of application and temperature of substrate and specification.

Additional Toppings

Coatings and topping should be applied when primer is tack free.

If maximum overcoating time is missed please see reactivating primer data sheet, Flowprime 23.

General Specification

Deckshield SF low viscosity polyurethane resin primer to be supplied by **Flowcrete Car Park Structures Ltd.**, Sandbach, Cheshire.

Installation by an applicator trained and approved by Flowcrete Group plc.

Temperature

Deckshield SF should not be applied at material or floor temperatures below 5°C. Temperatures should not fall below 5°C during the first 24 hrs after application.

Tool Cleaning

Clean with Flowsolve cleaner before the product hardens.

Packaging

Available in 8 and 16 kgs composite packs, consisting of Base A, Hardener B and Fillers.

Storage & Shelf Life

Stored unopened, in dry conditions at 10 - 25°C, shelf life will be 6 months minimum.

Substrate condition

Surfaces to be primed must be:-

- Dry to a moisture content below 75% RH as per BS 8203: 1987.
- Clean, free from oil or other contamination.
- Sound, & of adequate strength for the proposed end use.
- Profile appropriate for the topping to be applied.
- Free of laitence.

Where floors have been subjected to contamination, a thorough evaluation should be undertaken before application of any resin based finish.

Where any doubt exists on contamination within the concrete, it is recommended that core samples are taken off the top 50mm of concrete to allow a proper evaluation.

Health & Safety

Some of the components of this product may be hazardous during application.

Please consult the relevant Health & Safety Data Sheets.

Further information

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

Clients are welcome to call our Technical Desk, or visit our Technology Centre in Sandbach, Cheshire.

Important Note

Flowcrete's products are guaranteed against defective materials and manufacture & are sold subject to its standard Terms & Conditions of Sale, copies of which may be obtained on request. Whilst Flowcrete endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, it cannot - because it has no direct or continuous control over where or how its products are applied - accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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