

**Description**

SF has been developed to provide protective and decorative properties to concrete, steel and other substrates.

The material is supplied as a two pack system, comprising pre-weighed amounts of BASE and CURING AGENT. After mixing together, an easily applied chemical and abrasion resistant finish is produced.

**Typical Uses**

As a waterproof, tough, chemical resistant floor or wall coating in food preparation areas, breweries, abattoirs, bottling factories, etc.

As an internal lining for concrete or steel storage tanks containing oils, chemicals, water, etc. It is particularly suitable for chemical bunds.

**Advantages**

- \* Solvent free, low odour
- \* Very good chemical resistance
- \* Excellent adhesion to concrete and steel
- \* High build
- \* Tough and durable
- \* Easily applied
- \* Hygienic and easily cleaned

**Typical Properties**

Pot Life @ 20C:	60 minutes
Pot Life @ 10C:	120 minutes
Colours:	grey, red. (BS4800/RAL colours can also be supplied)
Tack Free Time @ 20C:	5 hours
Hard Dry Time @ 20C:	12 hours
Full Chemical Resistance:	7 days @ 20C
Coverage:	0.25 - 0.30 Kg/Sq.m./coat
Adhesive strength to concrete:	3.9N/Sq.mm. (concrete failure)
Adhesive strength to Mild Steel:	>12N/Sq.mm.
Chemical Resistance:	Excellent resistance to dilute acids and alkalis, oil, petrol, diesel, vegetable oils.

**PROCEDURE**

**1) Surface Preparation**

a) Concrete shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%.

Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, existing paint finishes, etc. Blow holes and defective concrete shall be made good using a proprietary repair compound, eg. Floorpatch or EPA Epoxy mortars. Block work shall be sealed using Surfacer.

Suitable mechanical treatment, such as vacuum grit-blasting, is the preferred treatment prior to application, as this ensures a mechanical "key" for the coating.

b) Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish standard. All dust and grease shall be removed prior to coating application.

If a delay is likely to occur between blasting and application then it is recommended that a coat of Steelprime be applied as holding primer to obviate flash rusting.

**2) Mixing**

Pour the contents of the CURING AGENT tin into the BASE container and thoroughly mix, preferably by mechanical means until a uniform colour is achieved.

**3) Application**

Apply by brush, short piled roller or airless spray, at a nominal rate of 0.25-0.30 Kg/Sq.m.. After a minimum of 14 hours and before a maximum of 48 hours, apply a second coat at the same rate.

Should an anti-slip finish be required, then broadcast an appropriate Silica Sand immediately after the first coat.

Brush off excess sand the following day, prior to applying the second coat.

**4) Equipment Cleaning**

Clean equipment with Toolclean prior to curing of the coating.

**5) Curing**

Allow to cure for a minimum of 24 hours @ 20C prior to light foot traffic access and 48 hours @ 20C prior to vehicular trafficking. 7 days cure @ 20C is recommended prior to exposure to chemicals.

**6) Packaging**

SF is supplied in 5Kg and 15Kg packs.

**7) Coverage**

a 5Kg pack is sufficient to coat 8.3 -10.0 Sq.m. of surface with the recommended two coat treatment, providing an overall d.f.t. of 425 - 500 microns.

**8) Storage and Shelf Life**

Store in dry conditions at temperatures between 10C and 25C. Do not expose to freezing conditions.

SF has a minimum of 12 months shelf life when stored in original, unopened containers in accordance with manufacturers instructions.

**9) Limitations**

Do not apply to wet or uncured concrete surfaces.

Do not apply at temperatures of 3C or less.

**10) Health and Safety**

Wear gloves and goggles.

Wash off splashes immediately with soap and water.

Please refer to Material Safety Data Sheet for additional information.

SF shall be applied strictly in accordance with the manufacturers instructions.