

Epoxy SF Scraper Coat

Solvent free fast cure scraper coat

A two component, solvent free, modified amine cured trowel-able epoxy scraper coat for filling and repairing surface imperfections.

Intended Uses:

A relatively low viscosity, two-part flooring composition that can be applied by smooth steel trowels to suitably prepared and primed concrete floors fill small holes, hairline cracks and 'omegas' that may cause bubbling through to subsequent topcoats. It also serves to smoothen out the undulations on a floor by filling in the 'valleys' between the high spots.

Epoxy SF Scraper Coat is rapid curing, has a short pot life and short overcoating window allowing application of topcoat soon after application. Designed to fill surface defects up to 3 mm deep without sinking.

Properties:

- Easy to apply – low viscosity that runs with the trowel.
- Applied using a smooth steel trowel and 'taken down to zero' on the high spots.
- Can take light traffic after 16 hours.
- Excellent adhesion to concrete and epoxy primed surfaces.
- Provides a good foundation for self-levelling epoxy topcoats, applied the same day.
- Short pot life.
- Low viscosity.
- Good resistance to aqueous acids and solvents.
- Excellent inter-coat adhesion.

Technical Data:

Colour	Light grey
Finish	Gloss
Density	1.69 Kg/ Litre (Part A)
Volume Solids	100%
Mix Ratio (Volume)	4.7 : 1
Activator	Epoxy Activator SF 600
Typical Film Thickness	0.1 – 3 mm DFT depending on system
Theoretical Coverage	10 m ² / Litre @ 100µm DFT, allow for loss factors
Method of Application	Trowel or scraper
Number of Coats	1
Pot Life	30 minutes @ 25°C

Physical Properties: (After 7 days curing)

Thin Film Set Time @ 25°C (hr)	3
Gel Time @ 25°C (min)	30
Hardness Shore D	82
Compressive Strength, psi	9,500
Compressive Strength Modulus (thou psi)	312
Tensile Strength, psi	2,300
Tensile Modulus (thou psi)	97

Floor Coatings: Screeds & Repair Systems

% Elongation @ Break	7
Flexural Strength PSI	4,400
Flexural Modulus (thou psi)	1,400

Drying Information:

	0°C	5°C	15°C	25°C	40°C	45°C
Thin Film Set	-	-	-	3 hrs	-	-
Hard Dry	-	-	-	16 hrs	-	-
Overcoating Data – See Limitations						
Substrate Temp.	0°C	5°C	15°C	25°C	40°C	45°C
Minimum	-	-	-	3 hrs	-	-
Maximum	-	-	-	2 days	-	-
Full Cure	7 days or as determined by an MEK Rub Test					

Note: A curing temperature below 10°C is not recommended, adequate ventilation should be maintained during application and curing.

Surface Preparation:

All surfaces to be treated with Epoxy SF Scraper Coat should be clean, dry, and free from contaminants. Concrete surfaces should have all surface laitance removed by mechanical means e.g. light abrasive blasting grinding or scarifying and all resultant dust or debris swept away.

All existing coatings must be removed from the surface before any patch work or repairs are carried out. Epoxy SF Scraper Coat's bond will only be as good as the existing coating.

Mechanical abrasion of the substrates will cause dusting; therefore, all loose dust should be vacuumed clear before the application commences.

Priming

To obtain maximum penetration and adhesion, the surface should always be primed. Refer to specific primer data sheets prior to application.

Non-Porous Surfaces:

Including quarry tiles and power floated concrete should be primed with Epoxy SF Primer Fast Cure prior to application of Epoxy SF Scraper Coat.

Porous Surfaces:

Including concrete and mineral surfaces should be primed with Epoxy SF Primer Fast Cure.

Application:

Mixing	Epoxy SF Scraper coat is a two-component material, comprising a base component and activator component. The activator component should be emptied into the base component and mixed thoroughly for 3 minutes to produce a uniform material. The mixed material should be used within 30 minutes of mixing @ 25°C. this time will be reduced at higher temperatures and extended at lower temperatures.
Application - Trowel	The mixed Epoxy SF Scraper Coat should be applied to the primed area by trowel or scraper. The material should be spread firmly and evenly onto the surface and then smoothed over or "scraped" by trowel at 90-degree angle to the surface to remove excess material leaving behind filled imperfections.

Cleaner	SA65 Thinner	For dry paint & equipment
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Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	10°C*	10°C	No lower limit
Maximum	60°C*	45°C	85%

* Higher temperatures result in reduced sag resistance and faster cure.

Limitations:

- The product will chalk on the surface when exposed to sunlight.
- Not resistant to strong acids and alkalis.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Specialized Coating Systems representative for specific recommendations.
- For best results bring the material temperature between 20 – 30°C, unless specifically instructed otherwise, prior to mixing with and application.
- Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE section of this data sheet.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.

Storage:

- Shelf Life: 18 months minimum at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight, away from sources of heat or ignition.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.