



PACTOTop 510 SFB

Solvent Free High Build High Performance Epoxy Coating

DESCRIPTION

PACTOTop 510 SFB is a four component, solvent-free, epoxy resin high build coating for concrete and steel. It may be applied to produce either a smooth or profiled finish incorporating anti-slip grains.

TYPICAL USES

PACTOTop 510 SFB is a high build system for steel, concrete floors and walls. It is suitable for use in light to medium duty manufacturing areas, carpark areas and mechanical workshops. Suitable for use in wet areas where strict levels of hygiene and cleanliness are required. Can be used in food and chemical industry, hospitals, warehouse, schools, kitchens, high traffic applications etc.

Specially selected and processed grades of quartz sand and anti-slip grains are available to make the application area anti-skid and safe. **PACTOTop 510 SFB** may be used without non-skid grains as a sealer on epoxy floor screeds or as a high quality protective coating for floors, walls, coves, drains, etc. and is available in clear or standard colours.

ADVANTAGES

- Resistant to wide range of industrial chemicals
- Seamless surface giving complete protection
- Solvent free, no odour during application
- Provides an attractive gloss finish
- Available in a wide range of light reflective colours to provide a brighter work area
- Available in a fast set version for cold conditions
- Long lasting and easily maintained
- Anti-fungal, anti-bacterial and non-toxic

TECHNICAL DATA (TYPICAL PROPERTIES at 25°C)

PROPERTY	TEST METHOD	VALUE
Component		Four Part A - Base Part B - Hardener Part C - Filler Part D - Colour pack
Mixed Form		Viscous liquid

PROPERTY	TEST METHOD	VALUE
Colour		Various colour available
Mixed Density	ASTM D1475	1.56 kg/ltr +/- 0.05
Pot Life		30-40 mins
Gel Time		70 mins +/- 10
Drying Time		6-7 hours
Recoat Time		10-24 hours
Full cure		7 days
Bond Strength	ASTM D4541	>2.5N/mm2 at 7days
Flexural Strength	BS 6319-3	40N/mm2 at 7 days
Compressive Strength	BS 6319-2	75N/mm2 at 7 days
Tensile Strength	BS 6319-7	20N/mm2 at 7 days
Chemical Resistance	ASTM D543	Resistance to various chemicals like acids, mild alkalis, fuels, grease, petrol, etc.
Toxicity	BS 6920-1	Non-toxic
Application Temperature		- +5°C to+40°C
Service Temperature		- +5°C to +70°C

APPLICATION INSTRUCTION

SURFACE PREPARATION

Surfaces should be free from grease, oil, chemical contamination, dust, laitance and loose concrete. Appropriate surface preparation equipments such as shotblast, scarifier or grinder must be used to obtain sound substrate. Steel surfaces should be gritblasted to base metal. Surfaces which show any traces of oil must be degreased with a chemical degreaser prior to gritblasting. Cracks, potholes, etc. should be repaired with epoxy putty PACTOTop EBM200.



Uneven concrete should be leveled to produce a roughened flat surface. Undulated floors can be leveled/repared using one of the PACTOTop range of flooring products, prior to application of **PACTOTop 510 SFB**.

New concrete floors must be at least 28 days old prior to application. Moisture content of concrete floor must be less than 5%. Expansion, control & isolation joints in concrete should be carried through **PACTOTop 510 SFB** floors and filled with a suitable sealant from the PACTOTop Seal PS.

PRIMING

PACTOTop 510 SFB can be applied without a primer on sound substrates. If the surfaces are highly porous and rough textured, priming is preferred. Prime the surface with PACTOTop Primer (solvent free or solvent based). Primer should be brushed into the substrate using a stiff brush or roller and allowed to dry (minimum 12-16 hrs) before the application of **PACTOTop 510 SFB**. In case of extremely porous substrate, two coats of primer is recommended. Allow the first coat to dry before applying the subsequent coat. The primer coat needs to be completely dry before applying **PACTOTop 510 SFB**. If the surface is damp, it is preferred to use PACTOTop MB as primer coat which cures with the inherent moisture and will not adversely affect the adhesion of the topcoat.

MIXING

PACTOTop 510 SFB supplied in pre-measured components should be stirred separately before mixing. After stirring individually, transfer the colour pack into the base, mix it for a minute, add hardener component into the base and continue to mix with a drill and paddle mixer for two minutes to get a uniform colour. Gradually add the filler and mix until a homogeneous mix is obtained. Scrape the edges and the bottom of the mixing container using spatula and continue to mix for a further minute.

Do not mix material in quantities which cannot be applied within the pot life of the product .

APPLICATION

Mixed **PACTOTop 510 SFB** should be spread on the prepared surface with a notched trowel. Finish off with a spike roller, dense short lambswool roller, brush, etc. to release entrapped air. Do not over work the material to avoid roller/brush marks appearing on the finished surface. First coat should be allowed to dry for a minimum of six hours before application of the next coat.

Anti-slip finish (For carparks):

Apply first coat of mixed **PACTOTop 510 SFB** at a thickness of 200-250 microns. Broadcast the required grade of anti-slip grain (NS Grain-No.1 or 2) over the **PACTOTop 510 SFB** uniformly within 20-30 minutes of the first coat application. Allow the first coat to dry for a minimum of 4-6 hours before the next coat. Remove loose anti-slip grains before application of the subsequent coat. The second coat needs to be applied at a minimum thickness of 200-250 micron. Upon completion of the last coat **PACTOTop 510 SFB** the coating should be left to cure for 24 hours before light traffic is allowed.

For application by airless spray, use a 45:1 or a higher ratio pump, minimum 9 mm dia hoses & HD tip 19 - 23 thou.

LIMITATIONS

At higher temperatures pot life will be reduced. For working in cold climates (<5°C) **PACTOTop 510 SFB** containers need to be kept in a hot water bath. **PACTOTop 510 SFB** cannot be applied in areas exposed to direct sunlight.

EQUIPMENT CLEANING

Clean all equipments and tools with PAC Cleaner immediately after use.

PACKAGING

7.5 ltr, 15 ltr and 20 ltr set

COVERAGE

4-5 m²/ltr/coat at 200 microns dft for floors
8-10 m²/ltr/coat at 100 microns dft for walls
Coverage rates can vary according to the substrate porosity and texture



STORAGE AND SHELF LIFE

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

HEALTH AND SAFETY

HEALTH & SAFETY PPE's Gloves, goggles & suitable mask must be worn.
Precautions Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately. Hazard Regarded as non-hazardous for transportation.

DISPOSAL

Do not reuse containers. To be disposed off as per local rules and regulations.
For additional information pls. refer to MSDS, available on request.



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