



PACTOTop SFE2 & SFE4

Flow Applied Epoxy Based Floor Toppings

DESCRIPTION

PACTOTop SFE2 & SFE4 are pre-packed, three component self smoothing toppings, which consist of a graded filler in epoxy binder.

TYPICAL USES

PACTOTop SFE2 & SFE4 may be used in industrial and commercial situations to provide long lasting finishes in particular where an impervious, abrasion resistant and easy to clean floor is required. PACTOTop SFE4 is designed for use in high abrasion or impact loading situations.

PACTOTop SFE2 and PACTOTop SFE4 are designed to be used in a variety of situations, such as:

- Engineering, production and maintenance areas
- Warehousing
- Food production, for example dairies, bakeries, fruit/vegetable processing and canning plants
- Beverage production and bottling facilities
- Medical and Pharmaceutical factories, for example in production areas and laboratories
- Kitchens, laundries and canteens
- Showrooms and demonstration areas

ADVANTAGES

- Impact and abrasion resistant
- Resistant to a range of acids, alkalis and industrial chemicals
- Hygienic and easy to clean finish
- Will not support the growth of bacteria, fungi and micro-organism
- Seamless
- Minimum downtime due to fast application
- Completely non-toxic once fully cured
- Available in a range of colors to provide an attractive, light reflective floor

TECHNICAL DATA

Typical results after 7 days @ 23°C

Mixed Density	1.60 ± 0.05
Compressive strength (ASTM C-579)	>90 N/mm ²
Tensile strength (ASTM c-307)	>15 N/mm ²
Pull Off strength (ASTM D-4541)	>3 N/mm ²
Flexural Strength (ASTM C 580)	>40 N/mm ²
Water Absorption (ASTM D-570)	0.03%
VOC (USEPA 24)	37 g/L

Exposure times

Foot traffic	24 hours
Vehicular Traffic	48 hours
Chemicals	7 days

Pot Life @ 25°C 45 mins

Typical system thickness

PACTOTop SFE2	2 mm
PACTOTop SFE4	4 mm

Abrasion Resistance (ASTM D-4060) < 80mg
(No. of Revolution is 1000 & Mass Applied on each Wheel is 1000 g, using CS-17 wheel)

CHEMICAL RESISTANCE CHART

Very good to:

15% Lactic Acid, 10% Citric Acid, 50% Phosphoric Acid, Concentrated Bleach, Saturated Urea Solution, White Spirit, Oils, Petrol, Diesel, Greases, 10% Ammonia

Good to:

50% Hydrochloric acid, 50% Sulphuric Acid, 10% Nitric Acid, Saturated sugar solution, Xylene, Caustic Soda

Notes:

- PACTOTop SFE2 & SFE4 should not be subjected to chemicals until fully cured (min 7 days @ 30°C)
- If chemicals spillage occurs then immediately remove the spillage and wash down with water to prevent any attack or discoloration.

APPLICATION

Preparation

It is essential that adequate preparation is carried out prior to the application of PACTOTop SFE2 & SFE4.

Grit Blasting is recommended to ensure the removal of all laitance, grease and oil. The resultant surface should be dry and dust free. Cracked and damaged areas must be made good with appropriate repair materials.



Priming

The prepared surface should be primed with **PACTOTop Primer**.

The contents of the curing agent should be emptied into the base component and stirred with a spatula until the product appears uniform.

The mixed primer should then be applied to the prepared substrate by a stiff brush at 5m²/litre.

If the primer appears to be absorbed into the surface easily, it will be necessary to apply a second-coat once the initial coat is tack-free.

It is essential that the primer is tack-free prior to the application of the topping. The application of **PACTOTop SFE2** or **PACTOTop SFE4** should commence between 8-24 hours after priming. If this period is exceeded, then the surface of the primer should be lightly abraded before re-application of a fresh priming coat.

Mixing

PACTOTop SFE2 and **SFE4** are supplied in a three-component kit consisting of a base component, a curing agent and a bag of graded filler.

Both of the liquid components should be briefly stirred to ensure that any settlement products are fully suspended.

Empty the entire contents of the curing agent and the base component into a 25 litre metal container with straight sides, sturdy enough to withstand the mixing action. To ensure that all material is extracted, the insides of the tins should be scraped.

The curing agent and base component should then be mixed with a low speed, heavy-duty electric drill and a spiral mixing paddle for at least two minutes and until the material appears uniform.

The aggregate is slowly added to the resin whilst mixing and the mixing operation continues for a further 5 minutes.

Application

A quantity of the mixed product should be poured onto tack free primed surface and floated with a steel towel to produce a seamless surface. **PACTOTop SFE2** can be laid at a thickness range of between 1 – 3 mm (typically 2mm) and **PACTOTop SFE4** between 2.5 – 5 mm (typically 4mm).

Within 20 minutes the material should be rolled with a spike roller in two directions to remove all entrapped air and towel marks.

EQUIPMENT CLEANING

All equipment may be cleaned of uncured material using **PACTOTop Cleaning Fluid**.

PACKAGING AND YIELD

Both grades of material are supplied in three part systems with following coverage rate.

PACTOTop SFE2

15 litres
@2 mm: 0.50M²/litre
(2mm thick)

PACTOTop SFE4

15 litres
@4 mm: 0.25M²/litre
(4mm thick)

PACTOTop Primer

8- 12m² / litre depending on substrate condition (for more information refer to the product data sheet)

APPLICATION TEMPERATURE RANGE

Minimum 5°C
Maximum 35°C

STORAGE AND SHELF LIFE

When stored in a cool environment, in original unopened containers, the material has a shelf life of 12 months.



HEALTH AND SAFETY

Contact with skin and eyes should be avoided. It is essential that adequate ventilation is provided and all personnel should avoid inhaling the vapors produced. If working is necessary in confined areas it is strongly recommended that sealed respiratory equipment is utilized.

Eye Contact

Rinse with copious amounts of clean water and seek medical attention.

Skin Contact

Rinse with copious amounts of clean water followed by thorough cleaning with soap and water.

DO NOT USE SOLVENTS

Ingestion

Seek immediate medical attention.

DO NOT INDUCE VOMITING

FLAMMABILITY

PACTOTop Primer and **PACTOTop Cleaning Fluid** are flammable. Do not expose to naked flame or other ignition sources.

FLASHPOINT

PACTOTop SFE2/4	> 150°C
PACTOTop Primer	> 60°C
PACTOTop Cleaning Fluid	> 40°C



P.O. Box no 282 676 Dubai-UAE
Tel: +971 4 770 6646
Fax: +971 4 770 6647
Visit us: www.pactechnologies.ae

Important Note: Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, as the conditions of any labor involved in the application is beyond our control. PAC Technologies shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of this product. It is the responsibility of the user to ensure that the product meets his particular requirements and to use it in a suitable way. Field service, where provided, does not constitute supervisory responsibility. For additional Information contact your local PAC Technologies representative.

Rev. 3 - June 2019