

Temashield SPF

DESCRIPTION

A fast set, low temperature curing, EPA Compliant high build epoxy zinc phosphate primer/finish.

PRODUCT FEATURES AND RECOMMENDED USES

- EPA Compliant when applied as a primer/finish or blast primer.
- Cures down to 0°C – low tendency to bloom.
- Rapid drying – Indefinite* recoatability.
- Formulated to be readily available in a wide colour range, this product takes the guesswork out of volume commitments for the fabricator/applicator. The 20 litre minimum order size means that continual supply throughout a contract is ensured.
- Suitable as a base under most intumescent coatings (Consult Tikkurila for full details).
- Ideal works coat to be overcoated by most generic top coats including alkyd, chlorinated rubber, vinyl, epoxy and polyurethane. (When overcoating with a cosmetic finish, the colour of Temashield SPF can be made an ideal 'undercoat' shade, to ensure excellent coverage with a single finish coat.)
- Use as a single coat 'primer/finish' for works application on dry internal buildings such as Warehousing, DIY stores, Office Complexes, Shopping Malls etc., or as a primer to be overcoated for external steelwork.

VOLUME SOLIDS

60 ± 2% ASTM D2697

FILM THICKNESS

WET MICRONS 125/333

DRY MICRONS 75/200

THEORETICAL COVERAGE

8.0 m²/litre @ 75 microns dry

APPLICATION

Airless Spray, Brush or Roller

DRYING TIMES

	5°C	10°C	23°C	35°C
DUST FREE	1 hour	45 mins	30 mins	15 mins
HARD DRY	6 hours	3 hours	2 hours	1 hour
OVERCOATING	MIN See below	See below	See below	See below
	MAX Indefinite*	Indefinite*	Indefinite*	Indefinite*

COLOURS

Red Oxide/Grey, BS 4800, RAL, NCS, BS 381C, BS 2660 & TVT Colours

FINISH

Semi-gloss

POT LIFE AT 23°C

4 hours

PRODUCT WEIGHT

1.5kg/litre, mixed

STORAGE CONDITIONS

Store in dry, cool conditions and protect from frost

MIXING RATIO

3 parts base to 1 part activator by volume.

THINNERS

1031

PRODUCT NOTES

Mix only in proportions stated and use mechanical agitator. Ensure complete homogeneity before using. Do not apply or cure below 0°C.
Product will chalk and may discolour, the degree of which is subject to atmospheric conditions and UV exposure.
The product requires 3 days to fully cure @ 23°C.

Overcoating (@ 23°C when SPF is applied @ 75/100 microns dft).
With Temashield ENV/ERV/EPB/ENV(HS)/ERV(HS) and itself – min. 4 hours.
With Temathane PLV, PLS (HS) or Temaseal EA80 – min. 6 hours.
Extend overcoating times when higher film builds have been applied.
A min dft of 100 microns will be required for a consistent, even finish with white and pastel shades of Temashield SPF.

*Indefinite if clean, sound and free from chalking.

Revised: 27-03-01.

Temashield SPF Series

Steel

Degrease where necessary to SSPC-SP1 solvent cleaning to remove weld flux and general contamination prior to blasting.

All sharp edges should be ground and weld spatter removed.

Blast clean to Swedish Standard SIS 05 5900 Sa 2.5 or British Standard 7079 equivalent.

Max. profile 75 microns.

Surfaces should be clean, dry and free from all grease, oil and general contamination.

SURFACE PREPARATION

HEALTH AND SAFETY INFORMATION

Refer to Health and Safety data sheets.

At all times observe precautionary notices on containers.

VOC figures are printed on Health and Safety data.

APPLICATION NOTES

METHOD	AIRLESS SPRAY	AUTOMATIC SPRAY	CONVENTIONAL SPRAY	BRUSH	ROLLER
OUTPUT FLUID PRESSURE	2500 - 3000 p.s.i.	No	Any suitable equipment. Thinning will be necessary.	Yes	Yes
TIP SIZE	15 – 21 thou				

Refer to Tikkurila Epoxy Application/Curing Notes.

For spray application at low temperatures up to 5% by volume of 1031 Thinner may be added to ensure achievement of closed film.

Brush/roller application will result in a reduced dft. This method will provide approximately 60 microns dry.

Avoid exceeding maximum stated dry film thickness

Only apply in conditions of good ventilation which must be maintained during curing. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point.

FLASH POINT

22°C - 32°C

EQUIPMENT CLEANER

950

The information in this data sheet is correct at the time of printing.
Consult Tikkurila Coatings before applying as to the suitability for use otherwise we cannot be held responsible for conditions beyond our control.