

Temashield EPY 300-301

DESCRIPTION

A two component epoxy zinc phosphate, fast curing primer or primer/finish

PRODUCT FEATURES AND RECOMMENDED USES

- Formulated for speed of application and handling in workshop conditions.
- Suitable for 'blast, fabricate and prime' methods in controlled workshop conditions.
- Good resistance to undercutting from damaged areas.
- Ideal works coat to be overcoated by most generic top coats including alkyds, chlorinated rubber, vinyl, epoxy and polyurethane.
- Excellent build and hold up on edges.
- Suitable as a base under most intumescent coatings (consult Tikkurila for full details).
- Use on internal and external steelwork in chemical, petrochemical environments.
- See EPY 372-373 for MIO version.
- EPA Compliant when applied as a blast primer or primer/finish.

VOLUME SOLIDS

54 ± 2% ASTM D2697

FILM THICKNESS

WET MICRONS	139/370	DRY MICRONS	75/200
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THEORETICAL COVERAGE

7.2 m²/litre @ 75 microns dry

APPLICATION

Airless spray, brush or roller

DRYING TIMES

		10°C	23°C	35°C
OVERCOATING	DUST FREE	40 minutes	15/20 minutes	10 minutes
	HARD DRY	4 hours	2½ hours	1 hour
	MIN	See below	See below	See below
	MAX	Indefinite*	Indefinite*	Indefinite*

COLOURS

Red-Brown (EPY 300), Grey (EPY 301) - can be manufactured in colours subject to volume.

FINISH

Matt

POT LIFE AT 23°C

6 hours

PRODUCT WEIGHT

1.5 kg/litre (mixed).

STORAGE CONDITIONS

Store in dry, cool conditions and protect from frost

MIXING RATIO

5 parts base to 1 part activator by volume.

THINNERS

1031

PRODUCT NOTES

Mix only in the proportions stated above, mixing each component individually then together using a mechanical agitator.
Do not apply or cure below 10°.
Product will chalk, the degree of which is subject to atmospheric conditions.

Overcoating:

Temashield ENV/ERV/EPS/EPB/ERV(HS)/ENV(HS) and itself - min. 2 hours (@23°C).
Temathane PLV/PLS (HS) and Temaseal EA80 – min. 12 hours (@23°C).

* Indefinite providing the surface is clean, sound and free from chalking.

4.00

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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.

Maximum 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 may be necessary	Yes	Yes
TIP SIZE	19-20 thou				

Refer to Tikkurila Epoxy Application/Curing notes.

19 thou tip, 40 degree angle is preferred

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 should be maintained during drying. 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

Less than 21°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.