

Temashield EPY 372-373

DESCRIPTION

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

PRODUCT FEATURES AND RECOMMENDED USES

- Designed as a primer/finish where an MIO finish is required, or can be overcoated with a coloured finish where necessary.
- 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.
- EPA Compliant when applied as a blast primer or finish.

VOLUME SOLIDS

54 ± 2% ASTM D2697

FILM THICKNESS

WET MICRONS	185/370	DRY MICRONS	100/200
-------------	---------	-------------	---------

THEORETICAL COVERAGE

5.4 m²/litre @ 100 microns dry

APPLICATION

Airless spray, brush or roller

DRYING TIMES

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

COLOURS

Medium Grey (EPY 372), Light Grey (EPY 373)

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°C.
Product will chalk, the degree of which is subject to atmospheric conditions.

Overcoating:

Temashield ENV/ERV/ERV(HS)/ENV(HS) and itself – min. 2 hours (@23°C).
Temathane PLV/PLS (HS) and Temaseal EA 80 – min. 12 hours (@23°C).
Can be overcoated with white spirit based products - consult Tikkurila Coatings.

4.00

Temashield EPY 372-373

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.