

Temaprime MPH 457

DESCRIPTION

A two component, polyvinyl butyral based, zinc chromate etch primer.

PRODUCT FEATURES AND RECOMMENDED USES

- As an adhesion promoter on degreased galvanising, aluminium, copper, brass, nickel and cadmium.
- Can be applied to zinc and aluminium metal spray.
- Suitable for aluminium cladding, galvanised structures and railings.
- EPA Compliant.

VOLUME SOLIDS

12% ± 1% ASTM D2697

FILM THICKNESS

WET MICRONS	42 - 84	DRY MICRONS	5-10
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THEORETICAL COVERAGE

24m²/litre @ 5 microns dry

APPLICATION

Conventional spray, airless spray, brush

DRYING TIMES

		10°C	23°C	35°C
DUST FREE		30 minutes	10 minutes	5 minutes
HARD DRY		1 hour	15 minutes	10 minutes
OVERCOATING	MIN	8 hours	4 hours	2 hours
	MAX	24 hours	24 hours	24 hours

COLOURS

Buff

FINISH

Matt

POT LIFE AT 23°C

8 hours @ 23°C

PRODUCT WEIGHT

0.95kg/litre (mixed)

STORAGE CONDITIONS

Store in dry, cool conditions and protect from frost

MIXING RATIO

1 part base to 1 part activator by volume

THINNERS

907

PRODUCT NOTES

Cautions - Contains phosphoric acid and zinc tetroxychromate. Do not use without first referring to product health and safety data sheet.

Do not use on surfaces operating in service above 60°C

Mix only in proportions shown above and immediately prior to using. Mixed materials must be discarded after 8 hours @ 23°C.

Must be protected from weathering prior to being recoated.

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Aluminium and zinc metal spray

Ensure that the surface is dry and free from oil/grease contamination. Stiff brushing to remove dust is then sufficient unless soluble salts are evident, in which case water washing is required.

Non Ferrous metals

Degrease in accordance with SSPC-SP1 solvent cleaning and ensure a sound, clean and dry surface, free from metal corrosion products.

All surfaces must be dry.

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	1500 – 2500 p.s.i.	No	Any suitable equipment	Yes	No
TIP SIZE	9 – 13 thou				

Do not over apply. Product dries too quickly for meaningful wet film thickness to be measured.

Brush – Care should be taken to avoid runs and sags. Avoid excessive film thickness.

Do not apply by spray without taking appropriate protective measures detailed in product Health and Safety Data Sheet.

Do not apply or cure below 4°C.

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

Below 21°C

EQUIPMENT CLEANER

907

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.