

TECHNICAL DATA SHEET

P.DS.183 (FB SERIES) REV04/12/2024

HHS250
SOLVENTBASED

PROMAC HIGH HEAT 250°C

Promac High Heat is an excellent single-pack vinyl-base etch primer for ferrous and non-ferrous metals for use in high heat applications such as fireplaces, braais etc. The product contains a chromate-based corrosion inhibitor for anti-corrosive properties.

USES

INTERIOR & EXTERIOR

Shop or pre-fabrication primer for protection of metal during transportation, storage and fabrication. Decorative paint finish for ferrous and non-ferrous metals exposed to high heat environments.

FEATURES & BENEFITS

- Heat resistant up to 250°C
- Excellent etching & adhesion properties
- Acid and Alkali resistant
- Quick drying
- Temporary corrosion protection

TECHNICAL INFORMATION

PHYSICAL FORM	Flammable low viscosity coloured liquid containing pigments
COLOUR	Black
FINISH	Smooth Sheen
SPREADING RATE	Approximately 6 – 9 m ² / ℓ per coat
POLYMER TYPE	Phenolic modified vinyl copolymer
PIGMENTS	Contains chromate-based corrosion inhibitor
VISCOSITY @ 23°C FC4	40 - 60 secs
SG @ 23°C	0.86 ± 0.02
SOLIDS BY WEIGHT	20± 2%
SOLIDS BY VOL	13± 2%
DRYING PROPERTIES	Surface or touch-dry: within 5 - 15 minutes
RECOATING TIME	4 hours depending on conditions and film build
DFT	15 - 20µm
WFT	115 – 154µm
RECOMMENDED COAT	2 – 3 coats to get better property
FULL CURE	7 Days
HEAT RESISTANCE UP TO	250°C
FLASH POINT	< 21°C (Abel Closed Cup method). (Note: Product is highly flammable)
PACKAGING	1ℓ & 5ℓ
THINNING	If required to reduce viscosity add a minimum quantity of lacquer thinner grade 1 or Etch thinner. For spray application mixing ratio should be 1:1 (NB. Do not add water, mineral turpentine or E-thinner)
CLEANING	Do not allow the product to dry on equipment. Equipment is readily cleaned using lacquer thinner
APPLICATION METHOD	Supplied ready-for-use by brush or fine foam enamel roller. Spray application refer to thinning

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DO NOT USE

- IF THE TEMPERATURE IS BELOW 10°C OR ABOVE 35°C
- IF THE SURFACE IS DAMP (MOISTURE READING ABOVE 15%)
- IF IT IS RAINING OR RAIN IS FORECAST
- BEFORE 09H00 AND AFTER 16H00 IN THE WINTER

SURFACE PREPARATION

General:

Ensure surfaces are dry, in sound condition, clean and free from any contaminants.

Poorly adherent materials:

Remove all poorly adhering material such as loose particles and damaged existing paint from the surface. If not effectively removed with the use of high-pressure water cleaning, then remove with the means of mechanical surface preparation methods such as Hand or Power tool cleaning methods.

Rust:

All rust layers must be removed by means of mechanical surface preparation methods such as but not limited to; Hand, Power tool or Blast Cleaning Methods. The loose rust must then be removed by means of dusting off or vacuum cleaning. Thereafter the surface must be cleaned with Promac Galv Prep.

NB: Failure to remove all red rusting may result in premature rust penetration through the applied paint system.

Mil Scale:

All mil scale is to be removed by means of mechanical surface preparation methods such as Power tool or Blast Cleaning Methods. Once removed the surface of the metal is to be cleaned with the use of Promac Galv Prep before application.

Oils, grease, grime, fungicide, mould & bacteria:

Remove oils, grease, grime, fungicide, mould, bacteria and other contaminants of a similar nature from the surface with the use of Promac Galv Prep.

Exposed (unpainted) metal surfaces:

Subsequent to carrying out the required surface preparation methods above, all exposed (bare & unpainted) metal substrate surfaces shall be treated with the use of Promac Galv Prep.

NOTE: All additional products advised for use during surface preparation must be used and applied in accordance with that stated within the relevant product's data sheets.

APPLICATION

Apply two to three coats of **Promac High Heat** to the surface and allow 4 hours drying time between coats. Allow the full application to cure for 7 days, before high heat exposure.

HEALTH & SAFETY

Keep away from heat, sparks, open flames and hot surfaces. Prohibit smoking during use. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust, fumes, gases, mist vapours or spray. Wash hands thoroughly after handling product. Wear protective gloves, clothing, eye protection and face protection. If swallowed, call your doctor.

DISCLAIMER ADVICE

The information given in this Product Information Sheet is based on controlled laboratory tests and many years of experience. It is given in good faith, but no guarantee of any performance characteristic is given or implied. Promac Paints cannot be held liable for consequential damage of whatsoever nature that may arise from the use of Promac products. Paint technology is continuously being developed and Promac Paints reserves the right to update product specifications without prior notice. Contact Promac Paints for further details.

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