

1. DESCRIPTION

Impa Heatprufe Etching Primer is a spirits based, quick drying, rust inhibiting, heat resistant coating that can handle temperatures of up to 400°C

Suitable for coating prepared mild steel fire places, braais, chimney flues and cowl

2. PRODUCT FEATURES

- Excellent adhesion to steel substrates
- Exhibits excellent corrosion protection of steel.
- Contains corrosion inhibitive pigments.

3. LIMITATIONS

- Not recommended for immersion
- Not recommended for contact with strong acids and alkalis
- During first time use the binder will burn off at 200°C, giving off a mild unpleasant odour.
- Colour will change to a dark grey @ ±400°C

4. SURFACE PREPARATION

STEEL SURFACES

- Decrease surfaces with **IMPA CLEANING THINNERS** followed by a high pressure water rinse
- Grind and fettle weld spatter, protrusions & sharp edges to a minimum radius of 2mm
- Abrasive blast clean to grade SA 2½ of ISO 8501-1 with a blast profile 70-100µm
- Alternatively mechanically abrade the surface using grinding discs to achieve a similar profile

GALVANIZING

- New Galvanizing – degrease using **IMPA GALVANIZED IRON CLEANER**
- Old- Galvanizing – Abrade or abrasive blast with ultra-fine grit to remove corrosion product

ALUMINIUM

- Abrade lightly with aluminium oxide paper/water paper 200 grit to bright metallic finish
- Alternatively use an approved chemical conversion process

GRP

- Abrade to a uniform matt finish using 200 grit water paper

HIGH PERFORMANCE FINISHES

IMPA HEATPRUFE ETCHING PRIMER

TECHNICAL DATA

Product Code
Colour

PI2213
Base: Black & Brown

Appearance
Shelf life
Packaging
Flashpoint

Sheen
24 Months
1L&5L
12 °C

Viscosity
S.G (weight)
Solids per volume
Solids per mass

90– 95KU/23°C
0,97 – 0,99 kg/l
22 – 24%
36 – 38%

Practical Spreading rate (depending on porosity)
Recommended finishing coats.

10-12 m²/L per coat @ 50µm DFT
2 Minimum

DRYING TIME

Touch dry time
Recoating Time
Full Cure

10min @ 23°C
20 min @23°C
3-4 Days

APPLICATION

Roller & Brush
Spray

Ready for use
See application

Cleaning
Mixing

IMPA Etch Primer Thinners
IMPA Etch Primer Thinners if needed

5. MIXING

- Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform. Continue stirring and add the entire contents of the activator container. Continue stirring until the mixture is homogeneous.

6. APPLICATION

- Apply two coats of **Impa Heatprufe Etching Primer** and allow 20 minutes drying between coats.
- **Brush:** Apply uniform, even coating with high quality brushes.
- **Rollers:** Apply uniform, even coating with a short pile roller.
- **Airless Spray:** Pump ratio – 30 to 1 min
Nozzle Orifice – 13 to 15 Thou
Tip Pressure -145 Bar Min
- **Conventional Spray:** Air Assisted Airless
Pressure Pot – Pressure Feed Gun
Gravity Feed Gun
Various Nozzle sets are available to suit guns

7. PRECAUTIONS

In order to limit minor colour variations from batch to batch, it is advisable to use product from the same batch on large open areas batch on large open areas. Batches may be factory blended on request.

- Application should be avoided in cold and moist weather conditions.
- **Do Not** apply the product at surface temperatures below 6°C (minimum of 2°C above dew point) and temperatures above 40°C
- **Do Not** apply if ambient temperature is less than 10°C or more than 40°C.
- **Do Not** apply if relative humidity temperature is less than 10°C or more than 85. °C
- Extremely cold conditions will make the drying time longer.
- Paint in area where there is good ventilation.
- Ensure that recommended mixing ratio is adhered to
- Discard any mixed material left over from the previous day
- Take care with surface preparation
- Do not cook food during first time use to allow for binder to burn off.

Environmental Health & Safety Information

DANGER! CONTAINS SULFAMIC ACID. CAN BURN EYES AND SKIN. SEVERELY HARMFUL IF SWALLOWED. HARMFUL IF INHALED. AVOID BREATHING IN DUST, MIST OR VAPORS. USE ONLY IN A WELL VENTILATED AREA. MAY CAUSE COUGHING, WHEEZING, THROAT IRRITATION, SHORTNESS OF BREATH, HEADACHE, NAUSEA OR VOMITING. DO NOT MIX CONTENTS WITH CHLORINE BLEACH OR ANY OTHER CLEANING PRODUCT OR DETERGENT. TO DO SO MAY EXPOSE YOU TO DANGEROUS GASES. MIX ONLY IN PLASTIC CONTAINERS.

Wear protective clothing, eyegoggles and acid resistant rubber gloves and footwear. Avoid contact with eyes and skin. **FIRST AID: If Swallowed:** Do not induce vomiting. Have victim drink lots of milk or water if conscious. Get medical attention immediately! **Eye and Skin Contact:** Flush immediately with plenty of water for at least 15 minutes; spread eyelids and occasionally flush underneath them. **Get medical attention immediately!**

Remove contaminated clothing and shoes immediately. Wash contaminated clothing before reuse. If experiencing Respiratory Discomfort (e.g., throat irritation, coughing, wheezing): Remove victim to fresh air. Get medical attention immediately!

CAUTION: KEEP OUT OF REACH OF CHILDREN AND ANIMALS - DO NOT TAKE INTERNALLY.

Refer to Material Safety Data Sheet for additional health and safety information.

IN CASE OF FIRE: Use foam, CO2, dry chemical, or water fog.

SPILL – Absorb with inert material and dispose of as specified under **Thinning/Clean-up.**

DISCLAIMER

The technical information contained in this document are given in good faith and are meant to be used as a guideline by the specifier or user. Whilst we are confident about the quality of our products, we cannot accept any liability for the incorrect use or application of our products. Surface preparation forms an integral part of the scope of works and it is expected that the highest standards are maintained during surface preparation and application, to ensure that our products perform as intended. Always ensure to use the same product batch numbers, refrain from doing spot touch-ups and paint surfaces from corner to corner to prevent colour and sheen variance. As technology may change over time we reserve the right to change products to keep up with changes in raw materials or product trends without pre notice. Although we will always prevail to keep clients informed about changes to be made, but cannot bind ourself to such notes Please ensure the use of the latest Technical Data Sheet.

Please note : that all our latest Product Data Sheets and Material Safety Data Sheets are available for viewing on our website at www.impa.co.za . All information listed is owned or used under licence of Impa Paints and its related companies. © 2010 Lurama 149 (Pty) Ltd. All rights is reserved.