

1. DESCRIPTION

Impa Mild Steel Primer is a good quality alkyd-based zinc phosphate primer.

2. FEATURES

- Multi-purpose good-quality, corrosion-resistant metal primer.
- Can be applied with a brush or spray gun and dries rapidly
- The product has a yellow, red, oxide or olive green colour and can be over coated with ease with any colour.
- Not toxic, do not contain any lead or Zinc Chromate
- Provide good adhesion

3. LIMITATIONS

- Not recommended for galvanised steel.
- Avoid excessively thick coats which will retard through drying.
- Must be over coated within 48 hours @23 °C to avoid onset of corrosion.

4. SURFACE PREPARATION

All mild steel surfaces must be clean, dry and sound.

- **UNCOATED MILD STEEL:** Remove oil, grease and dirt and any other contaminants with **Restore Heavy Duty Degreaser**. Rinse thoroughly with clean water. Remove all rust by coarse sanding, mechanical grinding, wire brushing or **Restore Ferro Rust Remover** etc. Alternatively prepare steel by wire brushing to Grade ST 3 of ISO 8501-1:1988.
- **PREVIOUSLY PAINTED MILD STEEL:** Remove rust or peeling paint with the appropriate **Restore Deep Penetrating Paint Stripper** product or by wire brushing and sanding. Chemical removing of rust can also be done with **Restore Ferro Rust Remover**. Rinse thoroughly with clean water, repeat if necessary. Allow to dry.

5. APPLICATION

- Apply by brush, roller or spray
- Ensure that a minimum dry film thickness of 35µm is achieved. Peaks on abrasive blasted surfaces must also be covered by a minimum of 35µm – apply more than one coat if necessary.

SOLVENTBASE PRIMER

IMPA MILD STEEL PRIMER

ISSUED DATE: JUNE 2014 Rev 1

TECHNICAL DATA

<i>Product Code</i>	<i>PI2021</i>
<i>Colour</i>	<i>Yellow, Red Oxide or Olive Green</i>
<i>Appearance</i>	<i>Matt</i>
<i>Shelf life</i>	<i>12 Months</i>
<i>Packaging</i>	<i>500ml, 1L&5L (20L on request)</i>
<i>Flashpoint</i>	<i>37°C</i>

<i>Viscosity</i>	<i>70 - 75KU @23°C</i>
<i>S.G (weight)</i>	<i>1,30 – 1,35kg/L</i>
<i>Solids per volume</i>	<i>50 – 53%</i>
<i>Solids per mass</i>	<i>70 – 72%</i>

<i>Practical Spreading rate (depending on porosity)</i>	<i>12M²/L @ 35µm, DFT</i>
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<i>Recommended finishing coats.</i>	<i>2</i>
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DRYING TIME

<i>Touch dry time</i>	<i>6 Hours at 25°C</i>
<i>Recoating Time</i>	<i>18 Hours at 25°C</i>
<i>Full Cure</i>	<i>4-7 Days</i>

APPLICATION

<i>Roller & Brush</i>	<i>Ready for use (Mohair roller)</i>
<i>Spray</i>	<i>Dilute with Mineral Turpentine</i>

<i>Cleaning</i>	<i>Mineral Turpentine</i>
<i>Mixing</i>	<i>Stir until homogeneous</i>
	<i>Stir occasionally during use</i>

6. PRECAUTIONS.

- 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.
- Containing inflammable solvents
- Use in well ventilated areas
- Not for use on new Galvanised surfaces
- The surface must be over coated after application of the primer within a period of 28 days.
- Remove all rust before surface is painted.

Environmental Health & Safety Information

WARNING! IRRITANT! HARMFUL IF SWALLOWED. CONTAINS: LOW & HIGH AROMATIC SOLVENTS. MAY CAUSE EYE, NOSE AND THROAT IRRITATION. AVOID CONTACT WITH SKIN AND EYES AND AVOID BREATHING OF VAPORS AND SPRAY MIST. WEAR EYE PROTECTION AND PROTECTIVE CLOTHING. USE ONLY WITH ADEQUATE VENTILATION. To avoid breathing vapours and spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air. If properly used, a respirator (NIOSH approved for organic vapor with P series particulate pre-filter) may offer additional protection; obtain professional advice before using. A dust mask does not provide protection against vapors. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use. **FIRST AID:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, 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.**

† **WARNING!** If you scrape, sand or remove old paint, you may release lead dust.

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 privilage to keep clients informed about changes to be made, but cannot bind ourselves 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.

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