

1. DESCRIPTION

Impa Phenolic Epoxy Primer is a two component solvented modified phenolic, matt finished, pigmented primer coat.

A high build heavy duty primer that has excellent adhesion to steel. It has excellent resistance to a wide range of solvents, alkalis & acid vapours when over coated with **IMPA PHENOLIC TOP COAT EPOXY**.

This system is used as a protective coating for steel and concrete surfaces in chemical processing plants, pulp and paper mills and for the protection of structural steel against severe splash, spillage and fume conditions. It is not recommended for immersion or continuous spillage of hot or concentrated acids.

2. PRODUCT FEATURES

- Excellent adhesion to steel surfaces.
- Cures to a hard-matt surface that can be over coated within 16 hours.
- Suitable for damp, chemical environments such as pulp and paper mills.
- When over coated by two coats of **IMPA PHENOLIC TOP COAT EPOXY**, the system provides excellent protection to surfaces exposed to chemical environments.

3. LIMITATIONS

- The product will chalk on the surface when exposed to sunlight.
- Due to rapid cross linking, if the recommended over coating interval is exceeded, sanding of the surface is mandatory.
- Not recommended for immersion service or continuous spillage of hot or concentrated acids.
- Colours will tend to chalk and discolour in direct sunlight

HIGH PERFORMANCE FINISHES

IMPA PHENOLIC EPOXY PRIMER

ISSUED DATE: JUNE 2014 REV 1

TECHNICAL DATA

Product Code	EP201
Colour	Base: Red Oxide, Grey & Silver Grey Activator: Pale Translucent
Pot Life	45 min @23°C
Appearance	Sheen
Shelf life	24 Months
Packaging	5L
Flashpoint	6°C
Temperature Resistance	Dry 93°C
Viscosity	90 - 95KU /23°C
S.G (weight)	1.07 - 1.11 kg/l
Solids per volume	38 - 39%
Solids per mass	23 - 24%
Practical Spreading rate (depending on porosity)	6m²/L per coat @ 100µm DFT
Recommended finishing coats.	1 Minimum
DRYING TIME	
Touch dry time	2-3Hours at 23°C
Recoating Time	16 Hours at 23°C
Full Cure	3 - 4 Days
APPLICATION	
Spray	See application
Roller & Brush (Mohair preferred)	Ready for use
Mixing Ratio	4 Base: 1 Activator by Volume
Cleaning	Impa Epoxy Thinners
Mixing	Impa Epoxy Thinners

4. SURFACE PREPARATION

STEEL SURFACES

- Decrease surfaces with **RESTORE HEAVY DUTY 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 **RESTORE 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

5. CONCRETE SURFACES

- All laitance must be removed using **Restore Brick Cleaner** or by high pressure water blasting or dry abrasive blasting
- Fill all omegas and holes with approved underwater grade epoxy fillers, **IMPA SCRAPER COAT EPOXY**.
- Surfaces should then be sealed with **IMPA PHENOLIC TOP COAT EPOXY**.

6. APPLICATION

- **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 – 19 to 21 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
- Application should be avoided in moist weather conditions
- Extremely cold conditions will make drying time longer
- Paint in area where there are good ventilations
- Relative humidity must not exceed 85

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 strive 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. © 2010 Lurama 149 (Pty) Ltd. All rights is reserved.