

<p>1. DESCRIPTION</p> <p>IMPA ROOFCRYL is based on a 100% pure acrylic which is suitable for direct application on prepared, new and weathered galvanized corrugated iron, asbestos-cement and clay-cement tiles. It has excellent adhesion to various types of roofing materials and is tintable to match a variety of custom colours.</p> <p>It is also highly suited or use on other surfaces such as gutters (nutec cement and galvanized), as well as decorations such as flowerpots, etc.</p> <p>2. FEATURES</p> <ul style="list-style-type: none"> • 12 Year Guarantee • UV-resistant for long lasting protection. • Easy application by brush, roller or airless spray. • Easy to clean equipment with water after use. • Can be used on prepared cladding, galvanised garage doors, galvanised gutters and down pipes. • Has an outstanding adhesion capacity in the case of prepared galvanized surfaces, asbestos cement and cement roof tiles. • The product is water-based; dilution of the product and cleaning of equipment therefore performed at low cost. • Dries rapidly and is hard and dry within 4 hours; two (2) coats can therefore be applied within a day. • It is coloured with colour-fast pigments and will therefore not fade in the sun or be affected by alkaline salts. • Has a build in Zinc Phosphate Anti Corrosion substance, therefore does not require a special primer (unless stated recommended primer). Zinc Phosphate is not toxic like the traditional Zinc Chromate rust-repellents. It may therefore be used on roofs that serve as water retention surfaces. • Excellent flow and leveling properties • Impa Moultech™ antibacterial, fungal and algae protection • Low VOC 	<p>ACRYLIC ROOF PAINT IMPA ROOFCRYL ISSUED DATE: MAY 2017 REV 3</p>		
	<p>TECHNICAL DATA</p>		
	<p><i>Product Code</i> Color</p>	<p><i>PR1256</i> As per standard colour card</p>	
	<p><i>Appearance</i> <i>Shelf life</i> <i>Packaging</i> <i>Flashpoint</i></p>	<p><i>Semi-gloss</i> <i>12 Months</i> <i>1L, 5L & 20L</i> <i>Non-flammable</i></p>	
	<p><i>Viscosity</i> <i>Specific weight</i> <i>Solids per volume</i> <i>Solids per mass</i> <i>VOC</i></p>	<p><i>95 – 100KU/23°C</i> <i>1,19 – 1,21kg/l</i> <i>27 – 30%</i> <i>30 – 32%</i></p>	
	<p><i>Practical Spreading rate (depending on porosity)</i> <i>Galvanized Iron</i> <i>Fibre cement sheeting</i> <i>Granular & Profiled tiles</i> <i>Recommended finishing coats.</i></p>	<p><i>7m²/L (see application)</i> <i>5m²/L</i> <i>2 – 3m²/L</i> <i>2</i></p>	
	<p>DRYING TIME</p> <p><i>Touch dry time</i> <i>Recoating Time</i> <i>Full Cure</i></p>	<p><i>30 min. at 23°C</i> <i>4 Hour at 23°C</i> <i>4 – 7 days</i></p>	
	<p>APPLICATION</p> <p><i>Roller & Brush</i> <i>Mixing Ratio</i></p>	<p><i>Ready for use</i> <i>Dilute with clean water</i></p>	
<p><i>Cleaning</i> <i>Mixing</i></p>	<p><i>Warm water and soap</i> <i>Stir until homogeneous.</i> <i>Stir occasionally during use.</i></p>		

3. SUBSTRATE CONDITION

Substrate must be clean, dry and sound for painting. **Moisture content** must be **below 14% WME**, measured using a PROTIMETER (or equally approved).

4. SURFACE PREPERATION

Ensure that all surfaces are dry, clean and free of oil, grease, laitance and in accordance with above **SUBSTRATE CONDITIONS**.

NEW WORK

CEMENT AND FIBRE CEMENT

Prime with **IMPA RENO AR MASONRY PRIMER** as supplied to seal the surface. Allow 12 hours to dry.

CLAY TILE SURFACE

These surfaces may have a powdery layer present due to age. **RENO WB BONDING LIQUID** is recommended to treat these surfaces and to increase the spreading rate of **IMPA ROOFCRYL**. Pre-wetting with clean water will assist application.

GALVANISED IRON

Galvanised iron surfaces must be cleaned with **RESTORE GALVANIZED IRON CLEANER** in accordance with product data sheet. Ensure to obtain a water break-free surface. If the area is situated in the coastal region or are known for humid conditions, then apply one coat **IMPA MP5 OR MP10 PRIMER** and allow 4 hours drying.

CHROMADEK

Wash down with **RESTORE HEAVY DUTY DEGREASER**. Allow drying and apply directly.

PREVIOUSLY PAINTED SURFACES

BAD CONDITION - CEMENT AND ASBESTOS SURFACES OR TILES

Remove all flaking and chalking paint by high pressure water jet at 300kPa. If any doubt exists regarding the quality or integrity of the existing old paint it is advisable to remove all the existing paint. If algae are present, treat these areas with **RESTORE MOSS & MOULD KILLER** in accordance with product data sheet. Prepare and prime all exposed metal roof screws with **IMPA MP5 OR MP10 PRIMER**.

Apply a full coat of **IMPA HYDROPRIME AR PLASTER PRIMER** as supplied or **IMPA RENO AR MASONRY PLASTER PRIMER**

(For friable/chalky surfaces; apply **IMPA SB BONDING LIQUID**. Allow 16 hours to cure. Should the top layer not show good binding after first application of the Bonding Liquid repeat the process until the necessary binding is reached. (**ALLOW 16 HOURS BETWEEN APPLICATION OF EACH LAYER.**)

BAD CONDITION – GALVANISED IRON AND CHROMADEK

Apply **RESTORE HEAVY DUTY DEGREASER** to lift atmospheric pollution. Remove all flaking and chalking paint by high pressure water jet at 300kPa. If any doubt exists regarding the quality or integrity of the existing paint it is advisable to remove all the existing paint. If algae are present, treat these areas with **RESTORE MOSS & MOULD KILLER** in accordance with product data sheet. Sand all rusted areas to ISO 850101:1988 – St 3 to attain a bright metal finish before application. Apply restore **FERRO RUST REMOVER** to remove all rusted areas. Start preparation as per instruction above for new galvanized iron.

BAD CONDITION – CLAY TILES

Remove all flaking and chalking paint by high pressure water jet at 300kPa. If any doubt exists regarding the quality or integrity of the existing old paint it is advisable to remove all the existing paint. If algae are present, treat these areas with **RESTORE MOSS & MOULD KILLER** in accordance with product data sheet. Prepare and prime apply all surfaces with **IMPA SB BONDING LIQUID**. Allow 4 hours to cure. Should the top layer not show good binding after first application of the Bonding Liquid repeat the process until the necessary binding is reached. (**ALLOW 16 HOURS BETWEEN APPLICATION OF EACH LAYER.**)

5. APPLICATION

How to calculate the surface area of the roof to be painted:

- First calculate the flat square metre area of the house, building etc.
- Then adjust to the pitch of the roof by adding the following % to your flat area calculation.

Then apply the following % according the pitch of the roof:

- If high pitch add 40%
- If standard pitch add 33%
- If Low pitch add 20%

Then add the following on top of the above calculation to account for the roof profile.

- Normal corrugated profile add 33%
- IBR profile add 35%
- Normal smooth clay or cement tiles add 20%
- Profiled granular type roof tile add 25%

You have arrived at the total area to be painted, divide this total by the average spreading rate as indicated under technical information for the roof type and multiply with two (2) for the total number of litres needed for two (2) coats.

FINAL COAT

Apply two coats **IMPA ROOFCRYL ACRYLIC** allowing 4 hours drying time between coats.

IMPORTANT:

- It is highly recommended to have **IMPA FUNGICIDE** added to **IMPA ROOFCRYL ACRYLIC** to resist fungal growth.
- Do not apply **IMPA ROOFCRYL ACRYLIC** in inclement weather. Allow sufficient drying time before dewfall.

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
- Pay attention to the preparation of surfaces.
- Do not dilute **IMPA ROOFCRYL ACRYLIC**.
- Friable and powdery surfaces require special care before painting- if in doubt contact **Impa Advisory Service** 0514328913
- For health reasons, avoid dusting when preparing fibre-cement surfaces. Keep surfaces wet and wash off residues with water.
- **The painting of slate, slurry tiles and wooden shingles is not recommended.**
- Do not paint under conditions of frost, dew, rain or fog or inclement weather. **Note:** Painting under the above conditions may affect the performance of the paint film.
- To ensure that colours on a project are consistent, check that batch numbers are the same.
- The **IMPA ROOFCRYL ACRYLIC** Quality guarantee is not applicable where **IMPA ROOFCRYL ACRYLIC** is used on **flat roof**.

Environmental Health & Safety Information

WARNING! IRRITANT! HARMFUL IF SWALLOWED. CONTAINS: PROPYLENE ORETHYLENE GLYCOL. 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 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.