



IMPA AQUARUB WATERPROOFING COMPOUND

ISSUED DATE: JANUARY 2020 Rev 2

IMPA AQUARUB is a blend of rubber and acrylic emulsion which when used in conjunction with a reinforcing fabric, produces a highly elastic film that is impervious to water.

PRODUCT INFORMATION

Product Code: WA1020
 Colour: White, Black & Standard Colours (Other colours available on special order)
 Shelf life: 12 Months
 Packaging: 1 litre, 5 litre, 20 litre and 200 litres

TECHNICAL DATA

Specific gravity:	1.178 kg/p/L (White)
Flashpoint:	Non-flammable
Viscosity:	115 - 125 Kreb's units @ 23°C (Thixotropic in nature)
Solids by mass:	52.79% (White)
Solids by volume:	44.27% (White)
PH:	8.50 – 9.5
Toxicity:	Non-toxic
Flammability:	Non-flammable. Does not support flame spread. Class 3
Package stability:	12 Months
Abrasion resistance:	Medium to high. Not suitable for high traffic areas.
Elongation at Break:	458% (ASTM D412:92)
Crack Bridging:	Pass, 10 cycles weathering closing to a width of 1mm (ASTM C836:89)
Fungus resistance:	No fungus growth, contain Impa Mouldtech™
V.O.C	64 grams per liter
Fire index:	Class 3
UV resistance:	Excellent. QUV Accelerated Weathering: 1000 hours (Grey Scale No 4)
Practical Spreading rate:	0.85 litres (or 1kg) per m ² , do not exceed. (Depending on porosity)
Film thickness:	200 μm, wet & 100 μm, dry
Recommended finishing coats:	2
Thinning:	Not recommended.
Cleaning:	Water

FEATURES

- Highly resistant to degradation by UV rays
- Flexible under all ambient temperatures
- Easy to apply.
- Thixotropic - will not flow on vertical walls.
- Resists fungus and mould growth
- Non-toxic.
- All-in-one system - no primers or topcoat required (except with metal which may require a rust inhibitor)
- A non-toxic water-based rubberized emulsion compound with high flexibility, ideal for most roofing details.
- In permanent ponding applications seven rain-free days curing time is needed. Drying time depends on ambient temperature and humidity.
- Not recommended where exposure to negative water pressure is present.
- Not recommended for swimming pools or fibre glass applications.
- Can be used with or without waterproofing membrane. See full specification.

TYPICAL USES

IMPA AQUARUB, reinforced with an approved geotextile layer, is an excellent sealing compound, and is recommended for waterproofing of:

- Parapet walls
- Flashings
- Non-trafficable concrete and flat roofs
- Sealing of laps, screw holes and joints on corrugated roofs

DRYING TIME

Touch dry time: 2 - 3 hours outdoors.

Recoating Time: 8 Hours at 23°C

Full cure: 3-7 Days

APPLICATION

General Areas

1. Apply the first coat at a rate of 0.85 litres (or 1kg) per m² and while still wet, imbed the **Impa Geotextile Membrane** into this coat by means of a fluted roller, flat roller or stiff brush.
2. Once dry, apply a saturation coat of **IMPA Aquarub** at approximately 0.85 litres (or 1kg) per m².
3. Apply a final coat at approximately 0.85 litres (or 1kg) per m² at right angles to the saturation coat.
4. Can be applied by brush, roller or spray application. Spray application, airless only, tip size 0.25mm. Tip pressure 145 Bar Min.

Tile Roofs

Reposition tiles that moved out of position back into functional position. Treat problem areas and valleys with **Aquarub**, apply with roller or brush. Repair broken tiles with **Impa Geo-Textile** and **Aquarub**. Take care that the **Impa Geo-Textile** is completely impregnated with **Aquarub**. Prepare parapets by applying the first coat with roller. Use a chalk line to guide "cutting" in on walls. Fill all openings greater than 3mm between tiles and ridging tiles with **Impa Quickfill Paste**.

Apply **Aquarub** to surface of roof area in two separate coats with the prescribed airless spray pump. The second coat must be applied at a 90-degree angle to the first. Application rate must be 0.85 litres (or 1kg) per m² (in total) to obtain the correct dry film thickness. Apply to all parapets, vertical, and horizontal surfaces including flashings.

Concrete Roofs

Treat problem areas and larger cracks with **Aquarub** or **Impa Plaster Binder** Concrete mix (See **Plaster Binder** TDS for full detailed instructions). Small Cracks can be filled with **Impa Quickfill Paste**. Prepare up turns with **Impa Geo-Textile** and **Aquarub**. Take care that the **Impa Geo-Textile** is completely impregnated with **Aquarub**.

Prepare parapets by applying first coat with roller. Use a chalk line to guide "cutting" in on walls. **Impa WB Bonding Liquid** should be applied to raw concrete surfaces before **Aquarub** application. **Impa WB Bonding Liquid** must be applied by roller and at an average rate of 8 m² per Litre. **Impa WB Bonding Liquid** should not form a film on the surface and must penetrate the surface. **Impa WB Bonding Liquid** must NOT be sprayed. It is advisable to use a roller.

Apply **Aquarub** to surface of roof area in two separate coats with the prescribed airless spray pump. The second coat must be applied at a 90-degree angle to the first. Application rate must be 0.85 litres (or 1kg) per m² (in total) to obtain the correct dry film thickness (depending on the smoothness of the slab). Apply to all parapets, vertical, and horizontal surfaces including flashings.

Metal Sheeting Roofs

Reposition sheeting that moved out of position back into functional position. Replace loose and missing roof screws and add new screws on lap joints (70 mm Tek screws and bonded washers). It is advisable to secure lap and cross joints with pop rivets, when the purlins on the substructure are too far apart and sagging occurs. Treat problem areas and valleys with **Aquarub**, applied by brush or roller. Fill all lap and cross joints with **Impa Quickfill Paste**. Mend holes that were caused by rust with **Impa Geo-Textile** and **Aquarub**. Take care that the **Impa Geo-Textile** is completely impregnated with **Aquarub**. Prepare parapets by applying first coat with a roller. Use a chalk line to guide "cutting" in on walls.

Apply **Aquarub** membrane to surface of roof area in two separate coats with the prescribed airless spray pump. The second coat must be applied at a 90-degree angle to the first. Application rate must be 1 kg per square meter (in total) to obtain the correct dry film thickness. Apply to all parapets, vertical, and horizontal surfaces including flashings.

SURFACE PREPARATION

Remove all dust, dirt, flaking paint and laitance. Moss and lichen should be removed, and the surface treated with *Impa Moss & Mould Killer*. The fungicide should be allowed to dry before commencing the **IMPA AQUARUB** treatment.

PRIMING

Non-metal surfaces

Prime the surface with a diluted coat of **IMPA AQUARUB** (1-part water:1-part **IMPA AQUARUB**) or **Impa WB Bonding Liquid**.

New Galvanised iron:

Prime with Impa **MP10 Metal Primer** to manufacturers specification. New galvanised iron roofs should be degreased with **Restore Galvanised Iron Cleaner** to manufacturers specification.

Old, galvanised iron:

Remove all loose rust, dirt, salts of zinc corrosion and scale by means of wire brushing, sanding, chipping, or mechanical scouring – down to bright metal. Start preparation as per instruction above for new galvanized iron.

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**.

(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 factory painted sheeting.

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.

MIXING

Stir until homogeneous.
Stir occasionally during use.

PRECAUTIONS

- Do not apply if rain is imminent. **Ideally IMPA AQUARUB** should be applied in sunny weather.
- Do not apply to tar-based materials unless they have weathered for two to three years.
- **Brushes or brooms should be washed in clean water immediately after use.**
- 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
- Always keep out of reach of children
- Ensure good ventilation during application and drying.
- If accidental contact with skin occurs, wash immediately with soap and water or a recognized skin cleaner.
- Take care to avoid contact with eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention and do not induce vomiting.
- It is absolutely essential to ensure total drying between coats.
- Refer to Material Safety Data Sheet for complete information.

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.