

**1. DESCRIPTION**

**Impa Aquaprufe Acrylic Waterproofing** is a economical acrylic waterproofing compound and is a highly flexible liquid applied emulsion, that when reinforced with Impa stitch boned polyester membrane, forms a homogeneous seamless waterproofing system.

**Impa Aquaprufe Acrylic Waterproofing** has exceptional water resistance, low dirt retention and alkali resistance.

**Impa Aquaprufe Acrylic Waterproofing** maintains film integrity by allowing water to pass through the coating and thereby resists vapour traps in the building. Superior resistance to ponded water conditions is built into the product without compromising properties. The combination of low-temperatures, because they must accommodate the thermal expansion and contraction of the roofing substrate as well as be resistant to the impact of hailstones.

**2. INTENDED USE:**

- **Impa Aquaprufe Acrylic Waterproofing** is a versatile waterproofing system.
- **It will waterproof galvanized, tile, asbestos, cement, wood and concrete roofs.**
- **The product can be used on both new and previously painted stable surfaces.**
- **Impa Aquaprufe Acrylic Waterproofing** is a good quality waterproofing and weatherproofing coating which is totally tack free in the dry cured film state.
- **Impa Aquaprufe Acrylic Waterproofing** is ideal for both coastal and inland structures.
- **Impa Mouldtech™** antibacterial, fungal and algae protection

**3. FEATURES**

- Excellent waterproofing properties and vary low water absorption after prolonged immersion in water.
- Excellent weather and ultra-violet resistance
- Will withstand movement of the substrate by exhibiting elongation and extensibility and will not harden or crack.
- Resistance to Alkaline and Acidic atmospheres
- Excellent adhesion to all suitably prepared substrates
- Very little or no maintenance required, depending on the amount of traffic
- Lower installation cost since waterborne roof compounds are easily applied by brush, roller or squeegee.
- Excellent resistance to salt spray, mould and fungus.

**SPECIALISED PURPOSE FINISHES**

**IMPA AQUAPRUF E ACRYLIC WATERPROOFING**

ISSUED DATE : JUNE 2014, REV 1

**TECHNICAL DATA**

<i>Product Code</i>	WA1012
<i>Colour</i>	Black, Red, Brown, White and Grey
<i>Appearance</i>	Low Sheen
<i>Shelf life</i>	12 Months
<i>Packaging</i>	1L, 5L & 20L
<i>Flashpoint</i>	Non flammable
<i>Viscosity</i>	115 – 125KU/23°C
<i>S.G (weight)</i>	1.20 – 1.22Kg/L
<i>Solids per volume</i>	40 - 41%
<i>Solids per mass</i>	50 - 51%
<i>VOC</i>	
<i>Practical Spreading rate (depending on porosity)</i>	0,5m <sup>2</sup> /L per coat
<i>Recommended finishing coats.</i>	See application
<b>DRYING TIME</b>	
<i>Touch dry time</i>	1 Hour @ 23°C
<i>Recoating Time</i>	8Hours @ 23°C
<i>Hard Dry</i>	24 Hours
<i>Full Cure</i>	7 days
<b>APPLICATION</b>	
<i>Roller &amp; Brush</i>	Ready for use.
<i>Cleaning</i>	Hot water and soap
<i>Mixing</i>	Stir until homogeneous Stir occasionally during use.

## 4. 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).

## 5. 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 HYDROPRIME AR PLASTER 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 Aquaprufe Acrylic Waterproofing**. 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 are situated in the coastal region or are known for humid conditions, then apply one coat **IMPA NOVA ETCH 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

- Remove all flaking and chalking paint by high pressure water jet at 300kPa. If algae is 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 PRIMER**. Apply a full coat of **IMPA HYDROPRIME AR PLASTER PRIMER** as supplied or **IMPA NOVA SB AR PLASTER PRIMER** (For friable/chalky surfaces; dilute **NOVA SB AR PLASTER PRIMER** up to maximum 10% with **RESTORE TURPENTINE**). Allow 12 hours to cure.

#### 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 algae is 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. Spot prime all bare sanded metal areas using one liberal coat **IMPA MP5 PRIMER** and allow 12 hours drying.
- Apply one full primer coat of **IMPA NOVA ETCH PRIMER** and allow 4 hours drying.

#### GOOD CONDITION

1. Surfaces in good sound condition should be high pressure washed at 180kPa after applying **RESTORE HEAVY DUTY DEGREASER** or a solution of **RESTORE SUGAR SOAP** before applying **SABRE ACRYLIC ROOF PAINT** directly.

## 6. APPLICATION GUIDES

### (a) First coat (after priming)

Apply an even coat of **Impa Aquaprufe Acrylic Waterproofing** with a brush or roller. While the compound is wet, embed a **Restore** reinforcing membrane (non-woven polypropylene) or **Restore** stitch bonded polyester membrane and ensure that the membrane is completely saturated. Care should be taken that all bubbles and wrinkles are smoothed out. Allow at least 8 hours drying time. Side laps of 75mm and ends laps of 100mm must be allowed.

### (b) Final coat

Apply two final coats to ensure complete covering. (Drying time of at least 8 hours between first and second coat)

## 7. PRECAUTIONS

- It is absolutely essential to ensure total drying between coats
- 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
- Thinning down is not recommended (except as a primer), but in extreme cases a slight addition of water can be made.
- Not suitable for permanent immersion in water.
- New concrete should be allowed to age for 2-3 weeks before over coating
- **Impa membrane** must be used
- **Impa Aquaprufe Acrylic Waterproofing** is designed for a extended life, but it is important to apply a maintenance coat of **Impa Aquaprufe Acrylic Waterproofing** every 3 to 4 years.

### Environmental Health & Safety Information

**WARNING! IRRITANT! HARMFUL IF SWALLOWED. CONTAINS: PROPYLENE OR ETHYLENE 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, CO<sub>2</sub>, 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](http://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.