

1. DESCRIPTION

IMPA ENDURASHIELD ACRYLIC is a premium quality exterior paint manufactured with a built-in primer. The product has a low to no dust attraction and self-cleaning properties. The unique raw material composition in the product gives a tough flexible and waterproof finish, for long life protection in harsh weather conditions.

This product is fiber enriched and is ideal as an alternative to the traditional texture paints with excellent features for hairline crack bridging. **IMPA** guarantee that this product will maintain its properties for a period of 15 years, if correctly applied.

Where a primer is recommended it is for specific purpose or economic reasons. **IMPA ENDURASHIELD ACRYLIC** is an exceptionally durable waterproofing and weather-proofing coating which is totally tack-free in the dry cured film state.

2. FEATURES

- **15 Year Guarantee**
- **IMPA ENDURASHIELD ACRYLIC** contains a special bonding element that enhances its adhesive properties and spreading rate.
- It has an exceptionally low sheen finish, which yields low dust-retention and ensures that the surface can be kept clean easily through rinsing with clean water. It resists the most severe weather conditions like rain and UV sunlight.
- **IMPA ENDURASHIELD ACRYLIC** will not lose its flexibility on ageing due to the **FIBER** based formulation.
- A colour tinted in **IMPA ENDURASHIELD ACRYLIC** is light fast.
- The increased numbers of fiber, mica provide **IMPA ENDURASHIELD ACRYLIC** with double the body normally associated with this type of coatings. For the best results, two coats are recommended.
- Superior dirt resistance & durability.
- **Apeo, formaldehyde and ammonia free.**
- **Impa Mouldtech™** antibacterial, fungal and algae protection
- **Low VOC**

3. SUBSTRATE CONDITIONS

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

ACRYLIC TEXTURE FINISH

IMPA ENDURASHIELD ACRYLIC

ISSUED DATE: AUG 2023 REV4

TECHNICAL DATA

Product Code Colour Appearance Shelf life Packaging Flashpoint	SU 1015 White <i>Bases: Pastel – Clear</i> <i>Standard colours as per colour card</i> Low Sheen 12 Months 5L & 25L Non-Flammable
Viscosity S.G (weight) Solids per volume Solids per mass VOC	115 – 120KU @23°C 1.24 – 1.28kg/l 38 – 40% 48 – 50%
Practical Spreading rate (depending on porosity) Recommended finishing coats. Recommended Wet Film Thickness Recommended Dry Film Thickness	8-10m²/L per coat 2 per coat @ 170µm per coat @ 75µm
DRYING TIME Touch dry time. Recoating Time Full Cure	Single coat at standard thickness 30min at 23°C 2 – 4 Hours at 23°C 4 – 7 Days
APPLICATION Roller & Brush Spray	Ready for use Not recommended (contact factory for special instructions)
Cleaning Mixing	Hot water and soap Stir until homogeneous. Stir occasionally during use.

4. SURFACE PREPARATIONS

Ensure that all surfaces are dry, clean, and free of oil, grease, laitance and in accordance with above **SUBSTRATE CONDITIONS**. Treat imperfections with **RESTORE QUICKFILL OR QUICKSKIM**.

5. APPLICATION

Apply two coats of **IMPA ENDURASHIELD** allowing 4 hours drying time between coats.

4. SURFACE PREPARATIONS

Ensure that all surfaces are dry, clean, and free of oil, grease, laitance and in accordance with above **SUBSTRATE CONDITIONS**. Treat imperfections with **RESTORE QUICKFILL** or by mixing **RESTORE MULTIPURPOSE CRACKFILLER 100** with **RESTORE PLASTERGRIP** and not water.

NEW WORK

CONCRETE AND CEMENT PLASTER SURFACES

Prime with **IMPA FRESHCOAT WB AR PLASTER PRIMER** or **IMPA RENO MASONERY PLASTER PRIMER** as supplied. Allow to dry for 4 hours @ 23°C.

Recoat after 8 Hours

BRICKWORK - FACE, R.O. K'S AND CEMENT

- Where efflorescence occurs, wash down with a weak solution of **RESTORE BRICKCLEANER**, rinse with clean water and allow to dry. Apply a primer coat of **IMPA FRESHCOAT WB AR PLASTER PRIMER** or **IMPA RENO MASONERY PLASTER PRIMER** (for friable surfaces; dilute **IMPA RENO MASONERY PLASTER PRIMER** up to maximum 10% with **RESTORE TURPENTINE** as supplied. Allow to dry for 4 hours @ 23°C. **Overcoat / Recoat after 8 Hours**.

New Gypsum Plaster (Rhinolite)

- Ensure gypsum plaster is dry and of good quality, wipe down, i.e., the surface is hard and free of chalk. Moisture content must be **less than 15%**. Apply one (1) coat of **IMPA RENO MASONERY PLASTER PRIMER** to all gypsum surfaces to be painted. Allow to dry for 4 hours @ 23°C. **Overcoat /Recoat after 8 Hours**.

NOTE if the chalky powder remains after wiping, **IMPA SITE SB BONDING LIQUID** must be applied in place of the **IMPA RENO MASONERY PLASTER PRIMER** to ensure the complete binding of the chalking gypsum plaster. Allow to dry for 4 hours @ 23°C. **Overcoat /Recoat after 8 Hours**.

PREVIOUSLY PAINTED SURFACES

BAD CONDITION

- High pressure water jet the entire surface if possible or by mechanical scraping. Ensure to remove all flaking and chalking paint. If algae are present, treat these areas with **RESTORE MOSS & MOLD KILLER** in accordance with product data sheet. Apply a full coat of **IMPA FRESHCOAT WB AR PLASTER PRIMER** as supplied or **IMPA RENO MASONERY PLASTER PRIMER** (For friable/chalky surfaces; dilute **IMPA RENO MASONERY PLASTER PRIMER** up to maximum 10% with turpentine). Allow to dry 8 hours @ 23°C. **Overcoat /Recoat after 8 Hours**.

GOOD CONDITION

- Wash area with **RESTORE SUGAR SOAP** or high pressure wash the entire surface, if possible, allow drying and apply **Impa Endura Velvetsheen** directly.

ENAMEL SURFACES

- The surface must be well sanded and washed with **RESTORE SUGAR SOAP** apply one (1) coat of **Impa Reno Masonry Primer** or **Impa Site Universal Undercoat**. **Overcoat after 8 Hours for Reno Masonry or 16 Hours for Site Universal Undercoat**.

5. APPLICATION

Apply two coats of **Impa Endurashield** allowing 4 hours drying time between coats. (Drying time will be extended during cold or humid conditions)

6. TINT BASE PRODUCTS

- The tint base containers are supplied under filled to levels which are specific for each tint base product. This will allow for a specific quantity of colourant's to be added after a required colour is identified. The volume indicated on the container is only achieved after the addition of all prescribed colourant's as per the colour formulation.
- The tint bases should not be used without the colourant's referred to above.
- When mixed to a finished product its technical features, product information, application and surface preparation details comply with that listed above for this product.

- Only colourant's from the Impa colour system are permitted for use when tinting the tint base.
- **UNDER NO CIRCUMSTANCES MUST COLOURS BE TINTED FROM WHITE, USE ONLY THE PRESCRIBED BASES FOR THIS PRODUCT.**
- Certain colour choices may require more than two coats to achieve full opacity or obliteration.
- **To ensure colours are consistent on a project always use one batch number to avoid any colour differences.**

7. 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.
- Preferable not for direct application to new surfaces.
- To ensure that colour on a project are consistent, check that batch numbers are the same. Should the batches numbers differ please "box" the paint box the paint before using it
- Friable and powdery surfaces require special care before painting- if in doubt contact **Impa Advisory Service**

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, 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.