

<p>1. DESCRIPTION</p> <p>Impa Aqua WB Epoxy is a outstanding waterborne epoxy formulated to provide superior protection to a variety of interior and exterior substrates. It is highly impact, abrasion and chemical resistant making it a perfect choice for difficult environments. Impa Aqua WB Epoxy has outstanding application properties, and careful formulation minimizes VOC usage exceeding today's strict requirements for sustainable coatings. Impa Aqua WB Epoxy is a excellent choice for upgrading conventional coatings to a high performance protection system when required.</p> <p>2. APPLICATION AREAS May be used on both floor and wall areas.</p> <ul style="list-style-type: none"> • Dairies and milking facilities • Abattoirs • Shopping areas • Nuclear and laboratory DE contaminable areas. • Parking facilities • Animal facilities <p>3. ADVANTAGES</p> <ul style="list-style-type: none"> • Easy to clean and maintain • May be applied to damp surfaces • Economical • Oil resistant • Petrol resistant • Easily over coated at any time for maintenance • Excellent flow and leveling properties <p>4. SURFACE PREPARATION</p> <p>CONCRETE – Surfaces must be clean and mechanically sound and free of laitance, nibs, dust, grease and oil. Wet abrasive grinding is generally used on concrete floors. Any holes should be filed with an adequate mortar, e.g. Impa Epoxy Scapercoat. Surfaces do not need to be dry as they are free of standing water. Bone-dry surfaces must in fact be lightly dampened with water to prevent too rapid suction of water from the coating.</p>	<p>HIGH PERFORMANCE FINISHES</p> <p>IMPA AQUA WB EPOXY</p> <p>ISSUED DATE: JUNE 2014 Rev 1</p>						
	<p>TECHNICAL DATA</p>						
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5. APPLICATION

Mixed **Impa Aqua Epoxy** may be applied to the dampened substrate by water pre-moistened brush or roller or by airless spray using a $\pm 500\mu\text{m}$ tip. Ideally any first coat should be applied by brush. As soon as a coat is touch dry, a subsequently coat may be applied. Unless the treatment is required to provide chemical resistance, an additional two coats are normally sufficient. Chemical resistant work or floors always requires three coats. Drying time will depend upon temperature, humidity and ventilation. If working or in confined spaces, ensure adequate ventilation. Outdoors, the wet film is liable to wash off in rain or be damaged by frost.

Impa Aqua Epoxy may be over coated at any time. Ensure that the surface is clean and free of contamination and chalking. Over coating, without intercoat adhesion problems may be carried out with **Impa Aqua Epoxy** itself or solvent-borne or solvent-free epoxies or other compatible coatings.

6. USE AS CONCRETE MEMBRANE

Impa Aqua Epoxy can be applied to green concrete as a curing membrane, after which it becomes a protective and decorative coating. In this application it acts as protection during subsequent construction, this also applies to floors.

7. BONDING/PRIMING

It is not usual to apply a primer, under **Impa Aqua WB Epoxy** porous surfaces dilute **Impa Aqua WB Epoxy** with up to 10 - 15% clean water and use as a primer coat. Pre-dampen the surface to obviate suction.

8. MIXING

Pre-stir base and activator. Add the entire base to the activator and stir for at least 5 minutes using a flat paddle. It has been found that mechanical mixing gives better dispersion than manual mixing. A suitable mixing method would be a slow-speed electric drill (approximately 200 r/min) fitted with a paddle

9. POT LIFE

Mixed **Impa Aqua WB Epoxy** has a pot life of some 90 minutes at 20 °C. While unused material may still appear workable after this time, it must under no circumstances be used.

10. CHEMICAL PROPERTIES OF DRY FILM

- **Sulphur:** No charge after 21 days, 1% by mass sodium sulphate solution
- **Solvent:** Withstand, 50% ethyl alcohol, mineral and crude oil, petrol
- **Water:** 24 Months immersion but not recommended for permanent immersion
- **Chemical:** Withstand Vegetable and animal fats, 40% caustic soda, lactic acid, 5% acetic acid

11. 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

- Extremely cold conditions will make drying time longer
- Paint in area where there is good ventilations
- Do not smoke while painting
- Use only recommended thinner
- Discard any mixed material left over from the previous day

Environmental Health & Safety Information

WARNING! IRRITANT! HARMFUL AND TOXIC WHILE WET. 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.