

<p>1. DESCRIPTION</p> <p>IMPA EPOXY POOL PAINT is a polyamide cured 2-Pack epoxy coating. It has excellent resistance to pool chemicals, abrasion, and attack from algae. IMPA EPOXY POOL PAINT provides a smooth, easy to clean finish.</p> <p>A high performance coating used for swimming pools, it adheres well to concrete & fibreglass surfaces which have been adequately prepared and provides a tough, flexible coating that is resistant to the normal abrasion of pool use and maintenance.</p> <p>2. PRODUCT FEATURES</p> <ul style="list-style-type: none"> • Self priming, it is applied directly onto abrasive blast or mechanically cleaned concrete. But we suggest that IMPA TUFFCOAT EPOXY CLEAR SEALER is used for a primer to clean concrete • Excellent adhesion to a variety of Cementitious or fibreglass pools surfaces. • Good flexibility and water resistance. • Good cure at 10°C • Improved resistance to exterior exposure- contains UV absorbers to increase resistance to chalking • No induction time after mixing. • Excellent flow and leveling properties <p>3. LIMITATIONS</p> <ul style="list-style-type: none"> • This product will eventually chalk on the surface due to sunlight exposure • Not resistant to strong acids and alkalis • Dry film thickness of 300 micrometers must not be exceeded for immersion conditions. <p>4. SURFACE PREPARATION Please Refer Individual Pool Type Guides For More Detailed Information</p> <ul style="list-style-type: none"> • Unpainted Concrete and Marble Plaster Pools • Unpainted Fibreglass pools 	<p style="text-align: center;">HIGH PERFORMANCE FINISHES</p> <p style="text-align: center;">IMPA POOL EPOXY</p> <p style="text-align: center;">ISSUED DATE: JUNE 2014 REV 1</p>															
<p style="text-align: center;">TECHNICAL DATA</p> <table border="1" style="width: 100%;"> <tr> <td data-bbox="754 694 1114 795"> <i>Product Code</i> <i>Colour</i> </td> <td data-bbox="1114 694 1540 795"> <i>EP 607</i> <i>Base: White & Pool Blue</i> <i>Activator: Pale Translucent</i> </td> </tr> <tr> <td data-bbox="754 795 1114 952"> <i>Pot life</i> <i>Appearance</i> <i>Shelf life</i> <i>Packaging</i> <i>Flashpoint</i> </td> <td data-bbox="1114 795 1540 952"> <i>90 min @23°C</i> <i>High Gloss</i> <i>24 Months</i> <i>5L</i> <i>38°C</i> </td> </tr> <tr> <td data-bbox="754 952 1114 1052"> <i>Viscosity</i> <i>S.G (Weight)</i> <i>Solids per volume</i> <i>Solids per mass</i> </td> <td data-bbox="1114 952 1540 1052"> <i>Mixed: 90 – 95Ku/23°C</i> <i>1.32 – 1.34kg/l</i> <i>57– 58%</i> <i>70 – 71%</i> </td> </tr> <tr> <td data-bbox="754 1052 1114 1164"> <i>Practical Spreading rate (depending on porosity)</i> <i>Recommended finishing coats.</i> </td> <td data-bbox="1114 1052 1540 1164"> <i>6-7m²/l per coat @50µm, DFT</i> <i>2 Minimum</i> </td> </tr> <tr> <td colspan="2" data-bbox="754 1164 1540 1388" style="text-align: center;">DRYING TIME</td> </tr> <tr> <td data-bbox="754 1243 1114 1388"> <i>Touch Dry time</i> <i>Recoating Time</i> <i>Full Cure</i> </td> <td data-bbox="1114 1243 1540 1388"> <i>2-3 Hours at 23°C</i> <i>16-24 Hours at 23°C</i> <i>4 - 7Days</i> </td> </tr> <tr> <td data-bbox="754 1388 1114 1601"> APPLICATION <i>Roller & Brush</i> <i>Mixing Ratio</i> <i>Spray</i> </td> <td data-bbox="1114 1388 1540 1601"> <i>Ready for use</i> <i>4 Base: 1 Activator by Volume</i> <i>(SEE APPLICATION)</i> </td> </tr> <tr> <td data-bbox="754 1601 1114 1736"> <i>Cleaning</i> <i>Mixing</i> </td> <td data-bbox="1114 1601 1540 1736"> <i>IMPA Epoxy Thinners</i> <i>IMPA Epoxy Thinners If Needed</i> </td> </tr> </table>	<i>Product Code</i> <i>Colour</i>	<i>EP 607</i> <i>Base: White & Pool Blue</i> <i>Activator: Pale Translucent</i>	<i>Pot life</i> <i>Appearance</i> <i>Shelf life</i> <i>Packaging</i> <i>Flashpoint</i>	<i>90 min @23°C</i> <i>High Gloss</i> <i>24 Months</i> <i>5L</i> <i>38°C</i>	<i>Viscosity</i> <i>S.G (Weight)</i> <i>Solids per volume</i> <i>Solids per mass</i>	<i>Mixed: 90 – 95Ku/23°C</i> <i>1.32 – 1.34kg/l</i> <i>57– 58%</i> <i>70 – 71%</i>	<i>Practical Spreading rate (depending on porosity)</i> <i>Recommended finishing coats.</i>	<i>6-7m²/l per coat @50µm, DFT</i> <i>2 Minimum</i>	DRYING TIME		<i>Touch Dry time</i> <i>Recoating Time</i> <i>Full Cure</i>	<i>2-3 Hours at 23°C</i> <i>16-24 Hours at 23°C</i> <i>4 - 7Days</i>	APPLICATION <i>Roller & Brush</i> <i>Mixing Ratio</i> <i>Spray</i>	<i>Ready for use</i> <i>4 Base: 1 Activator by Volume</i> <i>(SEE APPLICATION)</i>	<i>Cleaning</i> <i>Mixing</i>	<i>IMPA Epoxy Thinners</i> <i>IMPA Epoxy Thinners If Needed</i>
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- Concrete and Marble Plaster Pools Previously painted with Epoxy
- Concrete and Marble Plaster Pools Previously painted with Chlorinated Rubber
- Fibreglass Pools previously painted with Epoxy
- Fibreglass Pools previously painted with Chlorinated Rubber
- Dirt, oil & grease must be removed using **IMPA EPOXY POOL PAINT**
- Abrade the surface thoroughly using diamonds grinders or rough abrasive papers to achieve a rough clean profile or use approved methods of abrasive blasting.
- All laitance must be removed using **RESTORE BRICK CLEANER** or high pressure water blasting.
- Fill all omegas cracks and holes with, **IMPA EPOXY GROUT FILLER**

5. PRIMER

- We suggest using **IMPA TUFFCOAT EPOXY CLEAR SEALER** for a primer to clean concrete or gunite. See product instructions for application instruction.

6. MIXING

- Stir the base component well with a flat – bottomed paddle or mechanical mixer until product is uniform. Continue stirring and add the entire contents of the activator container. Continue stirring until the mixture is homogeneous.

7. APPLICATION

- **COMPATIBILITY TEST:** There are two main types of pool paints: Two packs (most epoxy, sometimes urethane) and Chlorinated Rubber. The two main types of pool paint are not compatible with one another. If you are uncertain what paint has been previously applied, rub surface with a cloth soaked with **IMPA EPOXY THINNERS**. If the surface becomes sticky & comes off on the cloth the paint is most likely Chlorinated Rubber. If this is the case either use **CHLORINATED-RUBBER POOL PAINT** (see data sheet for Chlorinated Rubber), or preferably, totally remove all paint prior to using **IMPA POOL PAINT**.
- **BRUSHES:** Apply uniform, even coating with high quality brushes from **Impa**
- **ROLLERS:** Apply uniform, even coating with short pile rollers from **Impa**
- **Airless Spray:** Pump Ratio – 30 to 1 Min
 Nozzle Orifice – 13 to 15 Thou
 Tip Pressure – 145 bar Min
- **CONVENTIONAL SPRAY:** Pressure Pot – Pressure Feed Gun
 Gravity Feed Gun
 Various Nozzle sets are available to suit the guns
- **IMPA EPOXY POOL PAINT** is a two pack product. The mix ratio is 4 parts of Base and 1 part Hardener. A 4 litre can of Base contain 4.2 litres of base and when mixed with the 1 litre can of hardener (Which contains 800 ml of hardener) the result is 4 litres of paint. It is best to mix full cans to avoid mixing errors. We stock a range of graduated mixing cups if you plan on mixing smaller amounts but we do not recommend this practice. When mixed the result product has a pot life of 4 hours (at 23°C) so only mix what you can use in 1 to 2 hours. Keep the mixed paint in a cool shaded area and out of direct sun or pot life will be dramatically shortened. Add the hardener to the base and mix thoroughly with a wide flat bladed stirrer or “potato masher” type mixed. Ensure that you have mixed the paint thoroughly as failure to do so may result in drying problems.

Apply using 6-9mm "short" nap quality rollers and use a brush for cutting in to edges, tiles etc. Do not use cheap or so called "budget" or kit rollers as they can often cause problems. **IMPA EPOXY POOL PAINT** can be Spray applied but this involves particular hazards and should only be undertaken by professionals experienced in this field

Painting should be done during the warmer months, this will assist with curing. Check forecast for a period when rain or heavy dew is unlikely. NOTE: If the freshly painted pool is spotted by rain or dew the surface may become bloomed (cloudy looking). If this occurs, thoroughly abrade surface prior to continuing with next coat. If water collects in the bottom of the pool before the coating is fully cured, premature failure may result.

Early morning to 11am is the best time of the day, as long as the surface is totally dry & the surface temperature is above 10°C. Ideal application temperature 15-30°C Avoid painting in direct sunlight as this will cause paint to dry too quickly. Do not paint if temperature is likely to drop below 10°C during curing period. Remember in cold conditions surface temperatures are likely to be lower than ambient temperatures.

Apply **IMPA EPOXY POOL PAINT** at the recommended application rate. Do not apply thin coats as this will result in premature wear of the coating. We have calculated the amount of paint you need for measurements of your pool. If you have significant quantity left over then you have not put enough on the surface.

- **DRYING/RECOATING:** 1ST coat dust dry in 120 min. Tack dry 1-2 hours (depending on temperature & atmospheric moisture). Apply 2nd coat when the surface is firm to walk on usually 16-24 hrs. If more than 24 hours is allowed between coats then the previous coat should be sanded to provide key, & all sanding dust removed. At cooler temperatures (12/15 °C) up to 48hours will be required before recoating. Apply 3rd coat if required on very porous surfaces, this added film thickness will also lengthen life of coating.
- **CURING TIME:** The pool **must not be filled** until the paint system is fully cured. This will take 7 days summer and up to 14 days during colder conditions. Avoid leaving pool empty for extended periods as chalking of paint surface may occur.
- **THINNING:** Add 5% - 10% **IMPA EPOXY POOL THINNERS** when applying 1st coat on porous surfaces. Subsequent coats should be applied unthinned. On extremely porous surfaces, where 3 coats are required the first coat should be thinned 20%.
- **CLEANUP:** Clean equipment with **IMPA EPOXY THINNERS**. Do not clean hands with solvents, use suitable hand cleaner.
- **COVERAGE:** 6-7sq m per liter, depending on porosity of surface. Recommended dry film thickness is 50 microns, wet film thickness is 125 microns. **CAUTION** heavy film builds or puddles may result in bubbles appearing on curing

8. 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 moist weather conditions
- 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

DANGER! SOLVENTS. CAN BURN EYES AND SKIN. SEVERELY HARMFUL IF SWALLOWED. HARMFUL IF INHALED. AVOID BREATHING IN DUST, MIST OR VAPORS. USE ONLY IN A WELL VENTILATED AREA. MAY CAUSE COUGHING, WHEEZING, THROAT IRRITATION, SHORTNESS OF BREATH, HEADACHE, NAUSEA OR VOMITING. DO NOT MIX CONTENTS WITH CHLORINE BLEACH OR ANY OTHER CLEANING PRODUCT OR DETERGENT. TO DO SO MAY EXPOSE YOU TO DANGEROUS GASES. MIX ONLY IN PLASTIC CONTAINERS.

Wear protective clothing, eyegoggles and acid resistant rubber gloves and footwear. Avoid contact with eyes and skin. **FIRST AID: If Swallowed:** Do not induce vomiting. Have victim drink lots of milk or water if conscious. Get medical attention immediately! **Eye and Skin Contact:** Flush immediately with plenty of water for at least 15 minutes; spread eyelids and occasionally flush underneath them. **Get medical attention immediately!** Remove contaminated clothing and shoes immediately. Wash contaminated clothing before reuse. If experiencing Respiratory Discomfort (e.g., throat irritation, coughing, wheezing): Remove victim to fresh air. 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.

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.