

LAMININ

Technical data sheet

Apr 2026/Is/Rev1

HydroShell

Water based enamel



LAMININ COATINGS (PTY) LTD • Reg No 2012/103111/07

109 FRITZ STOCKENSTROM ST | NEW EAST END | BLOEMFONTEIN 9301

SABS
ISO 9001



www.laminincoatings.co.za



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Product code: LWE001

Colour: White, Pastel, Deep, Clear

Shelf life: 12 Months

Packaging: 1ℓ, 5ℓ, 20ℓ

Storage conditions: Store in a cool/dry place

Stirring method: Stir with a flat paddle

Flashpoint: **Non-flammable**

Viscosity: 90 – 95 KU (at 23°C)

Specific weight: 1.25 – 1.30

Solids per volume: 35 – 40 % (Approx.)

Solids per mass: 45 – 50 % (Approx.)

Spreading rate: 8-10 m²/ℓ/coat

Depending on porosity,
surface conditions and
application equipment

Dry film thickness 30-40µm (Recommended)

Wet film thickness 100 - 150µm

VOC level <30g/ℓ

VOC Level will increase if not tinted with glycol free colourants.

Recommended coats: 2

Drying time: Touch Dry: 30min @ 23°C

Dry to handle: 2h @ 23°C

Over coating: Minimum 2 hours @ 23°C

Application: Brush, roller and airless spray

Cleaning: Water

Scrubs: >10 000

GENERAL PREPARATIONS

- All surfaces must be clean, sound & dry.
- Remove all loose flakes and apply **PlasterSeal** or **PlasterPrime** to obtain a stable surface.
- Smooth out plaster imperfections with **Skim**.
- Repair plaster cracks with premixed **Fill** or tile cement / plaster mix & **HydroKey**, diluted 50% with water.
- To stabilise chalky surfaces, apply **PlasterSeal** or **PlasterPrime**.
- Previously painted sound surfaces can be washed with sugar soap and rinsed thoroughly with clean water.
- To ease application, sand previously painted stable surfaces.
- Sand and remove varnish to bare surface and apply **WoodPrime**.
- For water damaged, porous and alkaline surfaces, apply **PlasterPrime** or **DampCure** to stabilise surface.
- Remove rust from mild steel and galvanized substrates. Apply **HydroEtch** or **MSPRime** to stabilise surface.
- If rust cannot be removed completely, spot prime with a rust converter before applying **HydroEtch** or **MSPRime**.

FEATURES

- Dries to a water based non-yellowing, high sheen finish.
- Water based alternative to traditional eggshell enamel.
- Its core-shell technology allows for a hard and durable, block, stain and chip resistant film.
- Long term, broad spectrum anti-bacterial and fungal protection (silver technology).
- Ideal for kitchens, bathrooms and for areas where long-lasting cleanliness and freshness is required.
- Lifetime guarantee on interior walls.

WHERE TO USE

- Interior walls, ceilings, doors, trims, kitchens & bathrooms: suitably primed new and previously painted stable cement plaster, concrete, porous brickwork, various types of building boards, fibre-cement and gypsum plaster.
- Interior and exterior suitably primed new and previously painted stable mild-, galvanised steel and wood.
- Specially formulated for areas where long-lasting cleanliness and freshness is required i.e. children's rooms, hospitals, etc.



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PRECAUTIONS

- Avoid painting in moist/humid conditions. To allow applied paint to cure, there should be no rain forecast for at least 7 days.
- Do not paint over surfaces with moisture content above 15%. Ideal level 5% or less.
- Stir paint well with a flat paddle.
- Ideal application conditions and surface temperature should be between: 10°C - 35°C with a relative humidity of less than 75%. It is not recommended to paint in direct sunlight as this will result in the paint drying too fast leading to visible “lap-marks”. Windy conditions might have a similar effect and can cause a deposit of dust particles on the wet paint.
- To ensure colour- and sheen level consistency, purchase from the same production batch of paint. Touch-ups are not recommended.
- Tint bases contain fewer litres than advertised until tinted.
- Spreading rates are theoretical and based on smooth / flat surfaces.
- Do not wash or abrade newly painted surfaces until properly cured.
- Allow 7 days for paint to dry properly and 30 days to reach full strength.
- Store paint in a cool, dry place.
- Complies with the South African legal lead limit of 90ppm or less.

COLOUR SELECTION

- Colours tinted that fall outside of Laminin Largo’s formal tinting system may have risks regarding poor opacity, early fading, UV resistance, over and under tinting or alkaline attack. Please consult an official Laminin agent for advice.
- Do not alter factory standard colours as this will compromise the products longevity i.e. fading, UV and alkaline resistance, colour consistency and opacity.
- Bright colours plays an important role in colour selection, even though Laminin only makes use of lightfast pigments certain bright colours have a natural tendency for poorer opacity and UV resistance and might be more prone to alkaline attack. Please consult an official Laminin agent for the best possible advice.
- Colour variations due to efflorescence (White salty deposits) (alkaline burn or attack) will not be covered under early fading or product failure.
- The colour, white, may require a 3rd topcoat to achieve opacity and full obliteration.





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HEALTH AND SAFETY

- Keep out of children's reach.
- Do not eat, drink or smoke during any application.
- Ensure appropriate ventilation during application and drying.
- Products may be harmful if swallowed.
- Wear protective equipment during preparation, application and cleaning.
- Avoid contact with eyes. In case of contact, immediately rinse with clean water and seek medical advice.
- Avoid contact with skin. In case of contact, wash thoroughly with soap and water. If skin irritation occurs, seek medical advice.

QUALITY GUARANTEE

15 Years.

Lifetime guarantee on interior walls.

To VALIDATE quality guarantee, please register via our website or through your nearest distributor.

Terms and conditions apply – please consult the webpage for further information: www.laminincoatings.co.za.

DISCLAIMER

- * Specifications and recommendations are given in good faith and are meant to be used as guideline.
 - * All information is based on results obtained from our tests done and experience gained over time.
 - * Application method and - equipment, condition of substrate and - during application, will have an influence on results.
 - * This is beyond the manufacturer's control.
 - * As technology may change over time, please ensure the use of the latest Technical Data Sheet.
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