



Euromix™ LWHB Render is a pre-mixed, full polymer enhanced, light weight, cement render, formulated for high build applications.

1. Product Summary:

Euromix™ LWHB Render (light weight, high build) is mixed with water only and is generally applied as a base coat at thicknesses up to 30mm in one coat.

Applied by hand, in one layer, Euromix™ LWHB Render can be floated ready for the application of finishing render and / or texture coats.

Product Name	Euromix™ LWHB Render.
Code	RENLWHB
Packaging	Dry packed in 15kg composite paper and plastic / paper bags.
Appearance	In the bag and before the addition of water, Euromix™ LWHB Render appears as an off-white / light grey mixture of sand and fine-grained cement like materials. After application and drying Euromix™ LWHB Render finishes to a light grey colour with a slightly rough texture.

2. Product Features:

Being pre-mixed, with its various components in set proportions, means that Euromix™ LWHB Render saves time and reduces waste on site, while also delivering consistent adhesive and impact strengths after curing.

Euromix™ LWHB Render is manufactured using a blend of selected diameters of sand grains, special lightweight fillers and high-performance chemicals, all designed to work together with the cement and other additives, to enable high build, lightweight base coats, without risk of cracking or delamination, when applied in accordance with Euromix™ recommendations.

3. Typical Uses:

Euromix™ LWHB Render is most often used as a base coat render, where high build coats that are relatively light, are required.

It is suitable for application over most unpainted masonry products and over panel/sheet products, like; autoclaved aerated concrete blocks / panels (AAC), fibre cement sheeting (FC) and expanded polystyrene sheet (EPS) surfaces.

Euromix™ LWHB Render can be applied by machine or by hand.

4. General Performance Guidelines:

All Euromix™ Renders are designed for use as decorative finishes; they are not meant to be used in applications where special strength, movement, hardness or other performance characteristics are required. The properties listed below are general in nature;

Weather	Excellent weather resistance when top coated.
Temperature	Performs well after hydration in temperatures from – 4 to + 60°C,
Abrasion	Good resistance to abrasion after full curing.
Solvents	Sensitive to exposed aromatic hydrocarbons, acetone and strong solvents.

5. Application Guidelines:

Euromix Pty Ltd strongly recommends that Euromix™ LWHB Render be applied by trades people with the appropriate skill, knowledge and experience using acrylic renders, to carry out the relevant works.

5.1 Substrate Preparation

All substrates must be clean, dry and free from any material that may inhibit adhesion (including loose paint, grease, oil, fungus / moss, dirt, friable materials and any mould release agents).

New concrete should be allowed to dry for 12-28 days before coating (ensure that the moisture content is less than 15%). If the concrete surface is very smooth and shiny, then; wet it slightly and then apply a scratch coat of Euromix™ Patch Coarse Broadwall, mixed with 5-10% cement (by weight), as a keying coat first.

Mask windows and architectural trim elements before applying render. Floor and adjacent walling materials should be protected against spills and splashes by plastic film or similar.

5.2 Mixing the Render

Euromix™ LWHB Render should be mixed with clean potable water (no bond required) by mechanical mixer or with a traditional concrete mixer. Pour the water, around 4L, into a clean mixing bucket, then; steadily add the Euromix™ LWHB Render powder, mixing until the paste is smooth and lump free.

This mixed render should hold a stiff peak on the hawk. Do not mix more material than can be used within one (1) hour.

5.3 Application

Apply Euromix™ LWHB Render using a hawk & trowel or spray machine.

When the applied render has firmed sufficiently it can be levelled and made true with a straight edge, before being floated, with a suitable float, to achieve a flat surface ready for the next coat of render.

Spillage and partially set material should be discarded – do not reuse.

Euromix™ LWHB Render should be applied in layers of up to 30mm maximum thickness. Higher thicknesses can be achieved in multiple coats with a layer of fibreglass embedded in between coats (allow at least 24-48 hours between coats).

5.4 Curing

Ensure adequate protection from the drying effects of direct sunlight, wind and low humidity or a combination of these elements. Do not apply Euromix™ LWHB Render when temperature will be above 35°C, especially if windy.

Also do not attempt to apply Euromix™ LWHB Render when the temperature is below 10°C or where the chill factor is high.

Ensure that the curing render is protected from rain, extreme frosts and other sources of excess moisture.

Drying and curing times are given as a guide only (*for normal weather conditions, at 25°C and 50% R*);

Surface dry	Four (4) hours (depending on applied thickness).
Recoat with Render	One (1) day (depending on applied thickness).
Texture & Paint	Three (3) days for acrylic texture & paints. Twenty-one (21) days for oil / alkyd-based paints.

5.5 Coverage:

Coverage is variable, dependent upon type, texture and porosity of the substrate and the application technique. As a guide 1 bag (15Kg) when applied at @ 10mm thickness will cover 1.0-1.5 SQM.

5.6 Clean Up:

Tools should be cleaned with water before the Euromix™ LWHB Render has cured. Any spillage or splashes should be removed immediately as the Euromix™ LWHB Render is extremely difficult to remove once cured and is likely to stain.

6. Limitations in Use:

The cured render should not be subjected to hydrostatic pressure, continual or excessive rising damp, movement and vibration.

Any building movement that results in visible cracking of the render substrate will be sufficient to cause cracking of the render. Euromix Pty Ltd will not accept responsibility for misuse of this product.

7. Health & Safety:

Euromix™ LWHB Render contains cement which is alkaline in nature and silica which is classified as a carcinogen.

Precautions in Use	The use of gloves, goggles and overalls is recommended when Render is being applied. Work areas should be well ventilated and cleaned regularly by wet sweeping or vacuuming.
Safety & Precautions	The use of gloves and goggles is recommended.
First Aid	If swallowed, drink a glass of water and seek medical advice. If in eyes, flush thoroughly with clean water to flush away any contaminate. If on skin, remove contaminated clothing and wash skin with soap and water. If powder is inhaled, remove person to fresh air.

8. Handling, Storage & Transport:

Handling	Euromix™ LWHB Render is supplied in 15Kg bags - recognised local safe lifting methods should be used.
Storage	Store in a cool, dry area where it is protected from excessive heat, frost, moisture and potential bag damage.
Shelf Life	Approximately 12 months in unopened bags.

The information contained in this product data sheet is typical and does not constitute a full specification, as conditions and specific requirements will vary from project to project.

All purchasers and intending users of the products covered in this document must, prior to use, assess and control the risks arising from use of the products, as they relate to their project.

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