Euromix™ Extreme Highbuild



Euromix™ Extreme Highbuild is an innovative, lightweight, high-build polymer modified levelling compound engineered using 100% recycled eco-aggregates. It is one third the weight per square metre of traditional base coat renders.

1. Product Summary:

Euromix™ Extreme Highbuild Render is designed for use as a base coat with superior coverage and can be built up to 50mm in a single coat. At one third the weight per square metre of traditional base coat renders, it is ideal for all masonry substrates as well as light weight building substrates.

Product Name	Euromix™ Extreme Highbuild.
Code	RENEXHB
Packaging	17Kg bags (Mixes 3 x Pails)
Appearance	In the bag Euromix™ Extreme Highbuild is a light grey powder. After application and drying Euromix™ Extreme Highbuild finishes to a light grey colour with a slightly rough texture.

2. Product Features:

Euromix™ Extreme Highbuild is a premium pre-blended render that requires the addition of water only. Manufactured with 100% recycled aggregate, it provides an environmentally responsible solution without compromising quality. Its lightweight formulation offers excellent workability, while superior shrink resistance helps minimise cracking and ensures a durable finish. Designed for high-build applications, Euromix Extreme Highbuild can be applied at thicknesses of up to 50mm in one pass, delivering exceptional coverage and productivity. The product also adheres to a wide range of substrates without the need for additional adhesion additives, making it a versatile and efficient choice for both residential and commercial rendering projects.

3. Typical Uses:

Euromix™ Extreme Highbuild is designed for use in application layers in thicknesses of 6mm-50mm on most substrates such as; autoclaved aerated concrete blocks / panels (AAC), clay brick and concrete block, fibre cement sheeting (FC), Off-form concrete and expanded polystyrene sheet (EPS) / NRG Green Board surfaces.

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;

5. Application Guidelines:

Euromix Pty Ltd strongly recommends that Euromix™ Extreme Highbuild Render be applied by tradespeople 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 must be fully cured for a minimum of 28 days before coating. Ensure that the moisture content is less than 15% WME (wood moisture equivalent).

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

One bag of Euromix™ Extreme Highbuild 17kg will mix approximately 3 x 15-litre pails. Measure approximately 4 litres of clean water into a 15L pail and add 1/3 of the powder while mixing with a suitable power mixing drill. Approximately 10-12 litres of water is required to mix the entire bag in a 40L container. Allow to stand for 2-3 minutes before application.

5.3 Application

Apply Euromix™ Extreme Highbuild evenly using a clean hawk and trowel or automatic mechanised spray pumping rigs at a thickness designed to fill and square the wall surface. Immediately follow with an aluminium levelling screed or render darby bar to flatten, then leave to set.

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

5.4 Curing

Euromix™ Extreme Highbuild sets in approximately 6-12 hours depending on substrate moisture, applied thickness, and weather conditions. Ensure adequate protection from the drying effects of direct sunlight, wind and low humidity or a combination of these elements. Allow at least 24-72 hours (15 to 50mm) before over coating with Euromix™ render / texture or paint systems.

Do not apply Euromix™ Extreme Highbuild Render when temperature will be above 35°C, especially if windy.

Also do not attempt to apply Euromix™ Extreme Highbuild 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% RH);*

Surface dry	Twelve (12) hours (depending on applied thickness).
Recoat with Render	Three (3) days (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 (17Kg) when applied at 6mm thickness will cover 5 SMQ, @ 10mm thickness will cover 3m² and @ 20mm thickness will cover 1.5m².

****Note: Coverage is variable, dependent upon type, texture and porosity of the substrate and the application technique.***

5.6 Clean Up:

Tools and equipment should be cleaned with water immediately before the render has dried. Any spillage or splashes should be removed immediately as the cured material is extremely difficult to remove.

6. Limitations in Use:

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

- Silicone or oil contaminated surfaces are not suitable for rendering.
- Not designed for application sealed, non-porous or glazed surfaces (Glazed Bricks, Ceramic Tiles, Glass, PVC, etc).
- Not to be applied in thin films under 6mm thickness.
- Protect from rain or extreme frosts for the first 8 hours.
- Do not apply when temperatures are expected to drop below 10°C or exceed 35°C during the curing period.
- Off-form concrete may vary in porosity and finish. Highly smooth or glossy surfaces may affect adhesion. Applicators must assess substrate suitability and ensure adequate surface preparation before application. Where adhesion is uncertain, contact Euromix technical for advice. Euromix Pty Ltd accepts no liability for adhesion failures resulting from unsuitable or inadequately prepared substrates.

Disclaimer:

Direct application to off-form concrete is subject to substrate suitability and adequate surface preparation. Applicators must check for oils, release agents, laitance, efflorescence and other contaminants, and ensure adequate adhesion before proceeding. Smooth or glossy surfaces may require additional preparation. If unsure, consult Euromix Technical Team before application. Euromix accepts no responsibility for adhesion failure caused by unsuitable or inadequately prepared substrates.

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Control & Expansion Joints:

The provision of expansion joints at 'weak spots' is mandatory, including:
Above and below structural openings (windows, doors).
At all horizontal and vertical level changes. At the junction of different substrate materials. As specified by the project structural engineer.

Note: Control joint layout and integration are ultimately the builder's responsibility. Users must make their own determination as to the suitability of this product relevant to requirements.

7. Health & Safety:

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.
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 contaminant. 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™ Extreme Highbuild Render is supplied in 17Kg 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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