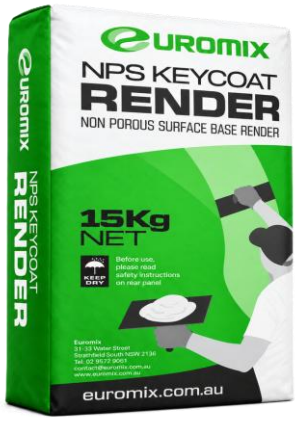
Euromix™ NPS Keycoat Render



Euromix™ NPS Keycoat Render is a dry mix, full polymer, cement render specifically formulated for application as a base render over non-porous surfaces and other substrates.

1. Product Summary:

Euromix™ NPS Keycoat Render is a specially formulated polymer enhanced, cement based, render that has enhanced adhesion and water resistance properties, making it particularly suited to applications over non-porous substrates, like PVC (including Dincel) and polystyrene, smooth concrete.
Euromix™ NPS Keycoat Render is a 'full polymer' render that is mixed with water only and is generally applied as a base coat or keycoat at thicknesses up to 3-5mm in one coat.

Applied by hand, or by spray machine, in one layer, Euromix™ NPS Keycoat Render should be screeded and made ready for other renders.

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

2. Product Features:

Being pre-mixed, in set proportions, in the factory, means that Euromix™ NPS Keycoat Render saves time and reduces waste on site, while also delivering consistent strengths and appearance after curing.

The use of a selected blend of various diameters, round sand grains and special chemicals that improve workability, means that Euromix™ NPS Keycoat Render flows well on tools, reducing fatigue for the tradesman.

3. Typical Uses:

Euromix™ NPS Keycoat Render is the recommended base coat for PVC walling systems, like Dincel, and other non-porous substrates, including polystyrene.

Also suitable over most masonry products, autoclaved aerated concrete blocks / panels (AAC) and fibre cement sheeting (FC).

While usually applied by hand, Euromix™ NPS Keycoat Render can be sprayed or pumped with certain types of equipment. Check to see if this product is suitable for the machine with a small trial application.

4. General Performance Guidelines:

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:

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 apply a scratch coat of Euromix™ Patch Coarse Broadwall to provide a keying coat.

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™ NPS Keycoat Render should be mixed with clean potable water (no bond required) by mechanical mixer or with a traditional concrete mixer. Pour the water, around

4 - 4.2L, into a clean mixing bucket, then steadily add the Euromix™ NPS Keycoat Render powder while 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. When applying Euromix™ NPS Keycoat Render by machine, simply load the render straight from the bag into the hopper.

5.3 Application

Apply Euromix™ NPS Keycoat Render to the substrate surface using a hawk & trowel or by spray gun with a machine pump (followed by initial levelling using a trowel).

When the applied material has firmed sufficiently, it can be levelled and made true with a straight edge, before being screeded to achieve a flat surface ready for the next coat of finishing render (like Euromix™ Skim Coat, Euromix™ FP Render or Euromix™ Texture). When used as a keycoat, it can be applied by a notch trowel or Tyrolean machine.

Spillage and partially set material should be discarded.

Euromix™ NPS Keycoat Render should be applied in layers of 5mm maximum thickness. Higher thicknesses can be achieved in multiple coats (allow at least 24 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™ NPS Keycoat Render when temperature will be above 35°C, especially if windy. Also do not apply when the temperature is below 5°C or where the chill factor is high.

Ensure that 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.
Recoat with Render	One to Two (1-2) days.
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 - as a guide, 1 bag (15Kg) when applied at @ 3mm thickness will cover 3-5 SQM.

5.6 Clean Up:

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

6. Handling, Storage & Transport:

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

7. Health & Safety:

Euromix™ NPS Keycoat Render contains cement which is alkaline in nature and silica which is classified as a carcinogen, refer to the Material Safety Data Sheet for full safety information.

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. Limitations in Use:

Euromix™ NPS Keycoat Render should not be subjected to hydrostatic pressure, continual or excessive rising damp, movement and vibration.

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.

Euromix™ NPS Keycoat Render must be applied by building contractors and trades people with the appropriate skill, knowledge, and experience to carry out the relevant works.

Euromix Pty Ltd will not accept responsibility for misuse of this product.

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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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.

For further information please contact Euromix Pty Ltd, via the contact details listed below;

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