



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

1. Product Summary:

Euromix™ NPS Base 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 Dintel) and polystyrene.

Euromix NPS Base Render is a 'full polymer' render that is mixed with water only and is generally applied as a base coat at thicknesses up to 3-5 mm in one coat.

Applied by hand, or by spray machine, in one layer, Euromix NPS Base Render should be screeded and made ready for other renders, texture coats or paints.

Product Name	Euromix™ NPS Base Render
Code	RENNPS
Packaging	Dry packed in 20kg composite paper / plastic / paper bags
Appearance	In the bag and before the addition of water, Euromix NPS Base Render appears as an off-white / light grey mixture of sand and cement like materials. After application and drying NPS Base 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 Base 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 NPS Base Render flows well on tools, reducing fatigue for the tradesman.

Product Data Sheet (PDS/NPSREN/JUL20)

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3. Typical Uses:

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

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

While usually applied by hand, NPS Base 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 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 Base Render should be mixed with clean potable water (no bond required) by mechanical mixer or with a traditional concrete mixer. Pour the water, around 5.5L, into a clean mixing bucket, then steadily add the NPS Base 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 Base Render by machine, simply load the render straight from the bag into the hopper.

5.3 Application

Apply Euromix NPS Base 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, FP Render or texture).

Spillage and partially set material should be discarded.

NPS Base 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 NPS Base 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 (1) day.
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 (20 Kg) when applied at @ 3mm thickness will cover 3-5 SQM.

5.6 Clean Up:

Tools should be cleaned with water before the NPS Base 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 Base Render is supplied in 20 Kg 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 Base Render contains cement which is alkaline in nature and silica which is classified as a carcinogen, refer to the product MSDS 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 Base 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 Base Render must be applied by building contractors and trades people with the appropriate skill, knowledge and experience to carry out the relevant works.

Euroset will not accept responsibility for misuse of this product.

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 Euroset, via the contact details listed below;

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