

NOVA RockWall

Gypsum Undercoat Plaster for Moderate to High Suction Substrates

NOVA RockWall is a high-performance gypsum undercoat plaster designed specifically for two-coat plaster systems. It is suitable for hand application as well as machine projection, making it ideal for both traditional plastering and modern high-speed application workflows.

PRODUCT DESCRIPTION

Product: This product is formulated for use on medium to high suction backgrounds, such as brickwork and aerated concrete blocks.

COMPOSITION	Gypsum, selected fillers, polymers
COLOUR	Off -white free flowing powder
PACKAGING	25 kg Bag
FEATURES & BENEFITS	• Ideal for medium- to high-suction backgrounds • Compatible with Spray Machines • Strong, Durable Base coat • Reliable workability • Excellent adhesion on absorbent masonry and concrete • Crack-resistant with high surface durability • High coverage and cost-effective
USES	• Interior wall plastering • Undercoat plastering on masonry • Two-coat plaster systems



TECHNICAL ANALYSIS

PARAMETERS	SPECIFICATIONS
Wall application thickness	11 mm
Ceiling application thickness	8 mm
Working time	Max. 80 minutes
Set time (Finishing Time)	Min. 120 minutes
Water required	15.0 to 18.0 litres per 25 kg bag
Coverage	3.0 m ² /25 kg bag at 11 mm thickness 4.1 m ² /25 kg bag at 8 mm thickness
Reaction to fire	Class A1
Bond strength	≥ 0.3 MPa
Shelf life	12 months (if stored correctly)

COMPLIANCE and QUALITY
CE marked
Conforms to EN 13279-1:2008, Type B4/20/2 and C3/20
AVCP System 4
Manufactured under an ISO 9001:2015 certified quality management system
For performance details, refer to the Declaration of Performance (DoP)

GUIDANCE FOR USE

SUITABLE SUBSTRATES

- Bricks (common brick, concrete bricks with raked joints)
- Autoclaved Aerated Concrete (AAC) blocks
- Aggregate concrete blocks
- No-fines concrete
- Dense blocks (except smooth low-suction blocks)

SUBSTRATE PREPARATION

- Ensure background is dry, clean, structurally sound, and dust-free
- Avoid applying on:
 - Smooth low-suction dense blocks
 - Green or freshly built backgrounds
 - Surfaces with standing or visible free water
- Protect the substrate from direct weather exposure

MIXING INSTRUCTIONS

Hand Mixing:

- Gradually add 15–18 liters of clean water per 25 kg bag of NOVA RockWall using clean mixing equipment. Contamination from previous mixes may affect setting time and strength
- Mix by hand until smooth and lump-free
- Avoid over-mixing, as this may reduce workability and adhesion

Machine Mixing:

- NOVA RockWall can be mixed and applied using plastering machines. Refer to the machine manufacturer's guidance for correct operation

APPLICATION

Hand Application:

- Install gypsum or levelling strips in the area to be plastered
- Apply the first coat to a thickness of 10–12 mm. Rake or cross-rake the surface before it sets
- Fill any hollow area, level off, and compact the surface. Allow the initial set before applying the finishing coat
- Level the surface using an aluminium straight edge and apply a thin slurry for the final finish
- After complete drying (usually ~72 hrs., depending on thickness and humidity), the surface is ready for painting

Machine Application:

- Pre-wet dry, absorbent surfaces before application
- Spray the material evenly using the plastering machine
- Level the surface with a float to the required thickness
- Use an aluminium ruler from bottom to top, then left-to-right and right-to-left to ensure an even finish
- The plastered wall will be ready for subsequent finishing or painting

STORAGE

- The product should be stored in a cool, dry place and should be used within 12 months of the date of manufacture

USAGE

PRECAUTIONS

- Do not apply on frozen surfaces
- Do not apply plaster on:
 - Green or freshly built backgrounds
 - Surfaces with standing or visible free water
 - Smooth, low-suction dense blocks
- Protect freshly applied plaster from rapid drying in hot or windy conditions
- Do not expose the set plaster to temperatures above 49°C
- In hot or dry climates, protect from rapid water loss
- Keep out of reach of children

STORAGE INSTRUCTIONS

- Store in a cool, dry, and well-ventilated place away from heat sources or direct sunlight
- Keep away from water and damp areas
- Avoid using partially used material. Open bags containing partially used material should be kept in a bag with its mouth tightly closed with string to prevent lump formation

- As temperature, humidity, water addition, and other parameters vary from site to site; the above information should be treated as general guidelines

HANDLING

- Walplast complies with its obligations as a supplier of building materials and systems, as required under Section 6 of the Health and Safety at Work etc. Act 1974
- To reduce the risk of injury from lifting and carrying, manual handling should be carried out safely
- Employers and workers must follow the Manual Handling Operations Regulations 1992 (MHOR) and HSE guidance (INDG143)
- Everyone should work together to prevent injuries and ensure a safe workplace
- For health, safety, and handling guidance, refer to the Safety Data Sheet (SDS)

DISPOSAL

- Segregate plaster from non-gypsum waste for recycling where possible, and dispose of in accordance with local authority requirements

Disclaimer: Technical information is based on knowledge and experience to provide accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. As site conditions and application practices are beyond the manufacturer's control, it is the responsibility of the end user to ensure the product's suitability and that they refer to the latest version of this document.