NOVA
PREMIUM GYPSUM PLASTER

WALPLAST PRODUCTS PRIVATE LIMITED ISO 9001:2015 CERTIFIED

Walplast

TECHNICAL DATA SHEET

NOVA 125
PREMIUM GYPSUM PLASTER

SUBSTRATES

- Bricks
- Blocks
- Sand cement surface
- RCC
  with the use of bonding agent like **HomeSure GypEx Walbond**.
  (Internal surface)



NOVA 125 is a perlite based single-coat gypsum plaster designed for application on a wide range of internal substrates, including brickwork, blocks, and concrete surfaces (with the use of bonding agent like **HomeSure GypEx Walbond**). It provides an inert, smooth, high-quality, and durable, super light- weight product suitable for the application of decorative finishes on internal walls and ceilings.

It is a lightweight, β-hemihydrate, premixed gypsum plaster formulated with expanded perlite aggregates, requiring only the addition of clean water to prepare it for application.

TYPE A
IS 2547 (Part I)-1976
CHEMICAL CHARACTERISTICS

TYPE A
IS 2547 (Part II)-1976
PHYSICAL CHARACTERISTICS

TYPE A (PLASTER OF PARIS β-HEMIHYDRATE)

FEATURES & BENEFITS

- Super Light weight
- Best-in-class in industry coverage
- Eliminates the two-step process of sand-cement plaster and POP punning
- No shrinkage cracks
- Sound Insulation
- Thermal resistance R = 0.07m²K/W at 13 mm thickness
- No water curing
- Great bonding
- Green Pro certified
- Reduce dead load on buildings as it is lighter than sand cement plaster

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TECHNICAL PARAMETERS

Chemical Composition	Calcium Sulphate Hemihydrate: $CaSO_4 . \frac{1}{2} H_2O$
Dry bulk density, Kg/M^3	≤770 (IS 2547 Part II) Tested value: 590 ± 30
Wet bulk density, g/cm3	1.10 ± 0.10
Water to powder ratio	1:1.25 (80±5 % water)
Setting time, minutes	15 – 25

SUBSTRATE PREPARATION



- Ensure surfaces are reasonably dry, clean, sound, and protected from weather exposure
- Remove dust, loose particles, oil, grease, curing compounds, powdery residue, and contaminants
- Remove fungus, algae, or moss growth by wire brushing and cleaning with water
- Do not apply plaster on surfaces where free water is visible or on uncured ("green") backgrounds
- Repair all cracks, holes, and surface imperfections before plaster application
- Sprinkle clean water to the substrate or background, 5–10 minutes prior to plastering to control suction (SSD condition required)
- Smooth or low-suction concrete surfaces should be pre-treated with suitable bonding agents such as **HomeSure GypEx Walbond** and HomeSure **WallEx** Quickbond

MIXING



- NOVA 125 is a premixed gypsum plaster requiring only the addition of clean water
- Mixing should be carried out in a clean tray, bucket, or mixing bath
- Avoid excessive mechanical mixing
- Ensure all tools and water used are clean
- Contamination from previous mixes may reduce setting time and affect plaster performance
- Maintain a water-to-plaster ratio of approximately 1:1.20 (80% water) by weight for a workable and cohesive mix
- Prepare only the quantity required for immediate use
- Use the prepared mix within approximately 25 minutes
- Do not add extra water once the plaster has started setting, as it may affect workability, adhesion, cohesiveness, and strength

APPLICATION



- Check wall alignment and verticality before application and correct major undulations if required
- Apply NOVA 125 with firm pressure onto the prepared substrate
- Level and rule the plaster to obtain an even and smooth surface
- Carry out further flattening and finishing as the plaster stiffens
- Recommended application thickness:
  a) 6–15 mm in a single coat on wall with line and level finish and 3-10 mm on ceiling with level finish
  b) Thickness above 15 mm should be applied in two coats
- Allow the plaster surface to dry completely before painting or decorative finishing
- Drying time is typically 72 hours, depending on thickness and weather conditions

TILING

- Tiles up to 20 Kg/m^2 can be applied directly to NOVA 125, except where the system includes a bonding agent
- Tiling directly to the background should be considered where suitable
- If plastering is done for tiling, avoid polishing the surface.
- Polished plaster surfaces should be roughened and treated with a suitable primer

COVERAGE

- 32–35 sq. ft. per 25 kg bag at 13 mm thickness on a plain surface.
- Actual coverage may vary depending on substrate condition and application thickness

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USAGE PRECAUTIONS



- Do not add more water than the recommended proportion
- Avoid excessive mechanical mixing
- Ensure all tools and containers are clean before use
- Avoid contamination from previous plaster mixes
- To minimize separation cracks at RCC and masonry junctions, use 145 GSM glass fibre mesh
- Not suitable for continuously damp, wet, or severely humid conditions
- Use appropriate safety equipment such as gloves, masks, and eye protection during handling and application

PACKAGING & STORAGE

- NOVA 125 is supplied in 25 Kg bags for easy handling, transportation, and stable palletized stacking
- Do not use hooks or sharp tools for handling bags to avoid damage to packaging
- Store bags in a dry place protected from moisture and water exposure
- Moisture absorption may shorten setting time, cause lump formation, and reduce plaster strength

HEALTH & SAFETY INFORMATION

It contains only eco-friendly fillers and additives. In case of eye contact, kindly wash with clean water at least for 15 minutes and seek medical help and keep it out of children reach.

PACKING

Available in 25 Kg bag



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Range of Products



A Walplast Product

Disclaimer: Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control; hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.

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