

NOVA Tuff Base

Gypsum Undercoat Plaster for Low to Moderate Suction Substrates



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NOVA Tuff Base is a high-quality gypsum undercoat plaster specially formulated for smooth, dense, or low- to medium-suction backgrounds where standard undercoat plasters may not adhere adequately. It is designed to provide excellent workability, easy spreading, and smooth finishing before applying a 2 mm skim coat of finishing plaster.

PRODUCT DESCRIPTION

Product: It is ideal for new walls, old wall renovation, and refurbishment projects.

COMPOSITION	Gypsum, selected fillers, polymers
COLOUR	Off- white free flowing powder
PACKAGING	25 kg Bag
FEATURES & BENEFITS	• Ideal for dense, low- to medium-suction backgrounds • Excellent workability with a fine, smooth trowelled finish • Quick setting for faster project completion • Strong, reliable adhesion to bricks, blocks, concrete/RCC, and cement surfaces (enhanced with a bonding agent where required) • Suitable for patching, chasing, deep fills, repairs, and multi-coat builds • Consistent drying and setting with minimal cracking or shrinkage • Reliable, professional performance for both new construction and refurbishment
USES	• Smooth or low- to medium-suction substrates • Concrete (precast, cast in-situ, normal ballast concrete) • Plasterboard • Dense aggregate blocks • Engineering bricks

TECHNICAL ANALYSIS

PARAMETERS	SPECIFICATIONS
Wall application thickness	11 mm
Ceiling application thickness	8 mm
Working time	Max. 80 minutes
Set time	Min. 200 minutes
Water required	13.0 to 14.0 litres per 25 kg bag
Coverage	2.75 to 3 m ² /25 kg bag at 11 mm thickness 3.8 to 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

- Plasterboard (tapered edges reinforced with joint tape)
- Small areas of plaster repair
- Precast concrete (with bonding agent)
- Medium-density blocks
- Engineering bricks

SUBSTRATE
PREPARATION

- Ensure all backgrounds are dry, clean, structurally sound, and dust-free
- No pre-treatment required:
 - Medium-density blocks
 - Engineering bricks
- Pre-treatment required:
 - Dense blocks
 - Plasterboards
 - Precast or cast-in-situ concrete
 - Ceilings
 (Use suitable bonding agents)

MIXING
INSTRUCTIONS

- Gradually add NOVA Tuff Base to 13–14 litres of clean water per 25 kg bag using clean mixing equipment
- Ensure mixing equipment is clean, as contamination from previous mixes can affect setting time and strength
- Mix by hand or with a mechanical mixer until smooth and lump-free
- Avoid over-mixing, as this may reduce workability and adhesion

APPLICATION

On Plasterboard

- Pre-fill gaps > 3 mm
- Reinforce joints with Joint Tape
- Apply plaster once joint treatment has stiffened (not fully dried)
- Fix angle beads using plaster dabs—not dry fixing
- Build plaster to a maximum thickness of 8 mm
- Rule the surface level and scratch lightly to form a key

On Precast Concrete

- Apply a pricking-up coat and allow to set (not dry)
- Apply a floating coat 8 mm thick, up to total system thickness of 25 mm
- Scratch between coats

On Expanded Metal Lath

- Apply a pricking-up coat, forcing plaster through the mesh
- Build up the floating coat to a maximum of 11 mm from the face of the lath

Finishing

- Must be finished with a 2 mm finishing plaster
- Do not paint, decorate, or tile directly onto the undercoat plaster

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
- 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 the plaster 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



TUFF BASE

SUITABLE FOR



Brickwork



Aerated (AAC) and aggregate concrete blocks



No-fines concrete



Dense blocks



Concrete backgrounds

HOW TO APPLY



Preparation
Ensure background is clean, dry, structurally sound, and free from dust, grease, oil, and loose material. Boards and masonry must be properly fixed and stable.



Mixing
Gradually add NOVA Tuff Base to 13-14 litres of clean water per 25 kg bag using clean mixing equipment. Mix until smooth and lump-free. Avoid over-mixing.



Application
General: Apply with firm pressure to the required thickness (8-11 mm). Level to an even surface and lightly scratch to form a key for a 2 mm finishing coat.
Plasterboard: Pre-fill gaps larger than 3 mm. Reinforce all joints with joint tape. Apply plaster once joints have stiffened. Fix angle beads using plaster dabs.

Note: See TDS for further information.

FEATURES



MIXING
13-14 litres of clean water per 25 kg bag



THICKNESS
Up to 11 mm for wall application.
Up to 8 mm for ceiling application



COVERAGE
2.75 – 3.0 m² / 25 kg at 11 mm thickness (coverage may vary depending on surface)



SHELF LIFE
12 months from date of manufacturing in unopened conditions



SET TIME
~ 200 minutes



COATS
Apply 2 coats by hand

CE

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Walplast Products Pvt. Ltd.
ISO 9001: 2015 Certified Company
Registered Office: Plot No. A-246, Cross Rd Number 18, T.T.C. Industrial Area, MIDC Industrial Area, Mahape, Navi Mumbai, Maharashtra 400710, INDIA.
Manufacturing Facility: Anikeshwar, Gujarat. 393001, INDIA.
Authorized Representative (EU): 24hour Solutions B.V., trading as 24hour-AP, Van Nelleweg 1, 3044 BC Rotterdam, The Netherlands.
DoP No.: DoP-NOVA-Tuff Base-EN-2026-01
DoP No.: DoP-NOVA-Tuff Base-UK-2026-01
EN 12799-12008 (Type B4 & C3)
NOVA Tuff Base – Gypsum Undercoat Plaster for Low to Moderate Suction Substrates
Internal base coat for low/medium suction substrates
Reaction to fire: Class A1
Thermal resistance: NPD
Direct airborne sound insulation: NPD
Country of Origin: India
Commodity: NOVA TUFF BASE
Net Weight: 25 kg
For further information or complaints, please contact:
www.walplast.com | customercare@walplast.com
1800 3000 6650.

FOLLOW US ON    

HEALTH, SAFETY, AND HANDLING INFORMATION






Wear dust mask, eye protection, gloves and helmet. Keep out of reach of children.

- Avoid breathing dust; use well-ventilated areas and suitable PPE where required.
- Dust may cause temporary irritation to eyes, skin, or respiratory system.
- In case of eye contact: rinse with clean water for several minutes; seek medical advice if irritation persists.
- In case of skin contact: wash with soap and water after handling.
- If inhaled: move out for fresh air.
- If swallowed: rinse mouth and seek medical advice if discomfort occurs.
- Store in a cool, dry place and protect from moisture; keep bags sealed and reseal part-used bags.
- Do not apply to frozen substrates and ensure surface suitability before application.
- Protect freshly applied plaster from rapid drying caused by hot or windy conditions.
- Manual handling: use safe lifting techniques. Bag weight: 25 kg.
- Dispose of contents and packaging as per local authority regulations.

Note: See SDS for health, safety & handling information.

Scan the relevant QR code to access DoP, TDS & SDS.

For EU



For GB



USE NO WOOD



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.