

NOVA Tuff Base

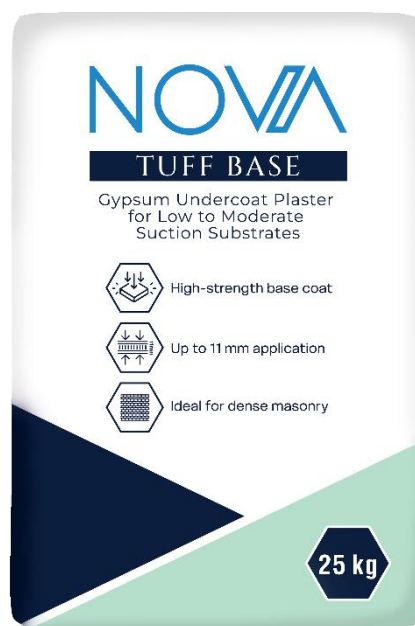
Gypsum Undercoat Plaster for Low to Moderate Suction Substrates

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	COMPLIANCE and QUALITY
Wall application thickness	11 mm	CE marked
Ceiling application thickness	8 mm	Conforms to EN 13279-1:2008, Type B4/20/2 and C3/20
Working time	Max. 80 minutes	AVCP System 4
Set time	Min. 200 minutes	Manufactured under an ISO 9001:2015 certified quality management system
Water required	13.0 to 14.0 litres per 25 kg bag	For performance details, refer to the Declaration of Performance (DoP)
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)	

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	• Do not apply on frozen surfaces
PRECAUTIONS	• 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).
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DISPOSAL

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