



Manufacturer and supplier of traditional and environmentally-friendly building materials.

TECHNICAL DATA SHEET



NOVASKIN® THERMO PLUS

NOVASKIN® THERMO PLUS

INTERNAL AND EXTERNAL
THERMAL INSULATION RENDER

THE BENEFITS

- + COMPATIBLE WITH TRADITIONAL SUPPORTS AND LISTED BUILDINGS
- + 15 TIMES BETTER INSULATION THAN TRADITIONAL RENDERS & PLASTERS
- + A1 FIRE CLASSIFICATION, NON-COMBUSTIBLE
- + EXCELLENT VAPOUR PERMEABILITY
- + GREAT WORKABILITY AND EASY TO APPLY



T1

12
KG

BS EN
998-1

AREAS OF USE

- > Insulating base coat render for internal or external use.

PACKAGING

- > 12 kg bag
- > 70 bags / 840kg per pallet

PRODUCT COMPOSITION

Mortar based on Saint-Astier hydraulic lime, expanded aggregates and specific additives.

SHELF LIFE & GUARANTEE

One year from production date if protected in the original packaging and stored in dry conditions. Manufacturer civil Responsibility.



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INTERNAL AND EXTERNAL THERMAL INSULATION RENDER

CONSUMPTION/THICKNESS

THICKNESS (cm)	CONSUMPTION (KG/M ²)	BAG PER M ²	R ((M ² .K)/W)
2	6 to 7	0,5 to 0,6	0,25
4	12 to 14	1 to 1,2	0,50
6	18 to 21	1,5 to 1,8	0,76
8	24 to 28	2 to 2,3	1,01
10	30 to 35	2,5 to 2,9	1,26

PRODUCT PERFORMANCE

CLASS T1 MORTAR – BS EN 998-1 2016	
Fire reaction	A1
Compressive strength	CS I
Adhesion	≥ 0,3 N/mm ² - FP : A B C
Capillarity	W ₁
Water vapour permeability	μ ≤ 15
Thermal conductivity	λ* = 0,0793 W/m.K

*The thermal conductivity value for NOVASKIN® THERMO PLUS has been certified by a COFRAC laboratory - CODEM report RE0923FB-014; available upon request technical_support@saint-astier.com

SUITABLE FOR

- > Ancient substrates (non-waterproof) e.g. stone, old brick
- > For new building materials, ask Saint-Astier® Tech Dept.

SUBSTRATE PREPARATION

- > Remove old plaster, stripping at least 2 cm from joints.
- > Dub out or rebuild the existing substrate if necessary, using materials adapted to the existing masonry and compatible with the future rendering (cellular concrete excluded) and fill in any small holes with lime mortar.
- > Treat the existing pathologies in the support if they exist (structural cracks, salpetre, etc).
- > Make sure there is no efflorescence, dust or elements that may interfere with the adhesion of the mortar.
- > Treat the wood, replace it or reconstitute it with resin if necessary, and protect it with geotextile or similar to separate it from the plaster. NOVASKIN® THERMO PLUS should not be in direct contact with wood.
- > If necessary, passivate the metal parts of the substrate and protect them with geotextile or similar to separate them from the plaster. NOVASKIN® THERMO PLUS should not be in direct contact with metal.
- > Protect lintels (wood, metal, etc.) of all kinds with felt or geotextile to separate them from the rendering.

- > If necessary, create expansion joints every 16m².
- > The substrate must be thoroughly moistened and left to dry.

WATER ADDITION

NOVASKIN® THERMO PLUS	
WATER DOSAGE	 12 kg bag +  4,5 to 5 litres
MECHANICAL MIXING	5 to 8 minutes
AVERAGE CONSUMPTION	3 to 3.5 kg per m ² for 10 mm thickness

MIXING

Mix for 4 to 5 minutes with a whisk mixer (450 to 500 rpm). High-speed mixers (more than 500 rpm) are not recommended as they can over-mix the product and modify its performance. Manual mixing is not recommended.

APPLICATION

- > Wall heads and window sills must be protected by an overhang, coping or similar, fitted with a device (water droplet) ensuring that rainwater is kept more than 30 mm away from the finishing render.
- > NOVASKIN® THERMO PLUS mortar is applied manually in 4 cm passes as soon as the previous pass has firmed up.
- > The total thickness applied should be 10 cm maximum.
- > Leave a gap between the render at stress points (joinery stops, window sills, wooden posts, etc.) by creating a space in the total thickness of the rendering (3 mm maximum) and applying a flexible joint.
- > Outside, the NOVASKIN® THERMO PLUS must be stopped 15 cm from the final ground level.
- > Drying time : 7 days minimum.
- > A galvanized metal mesh (19*19 mm, wire thickness of 1.05 mm) is recommended for a thickness greater than 30 mm.

MANUAL
Application

POSSIBLE FINISHES

- NOVASKIN® THERMO PLUS must be covered by :
- > NOVASKIN® COATING
 - > SILICATE PAINT

WORKING TEMPERATURE :

From 8 to 30°C. In hot weather or strong winds, keep product cool and protected by spraying moderately for 24 hours.