TN THERMONATURAL

NEW GENERATION INSULATION PLASTER

- It provides insulation against cold
- It provides insulation against heat
- It is resistant to fire
- Components are natural
- It provides support for waterproofing
- Provides sound insulation
- Easy to apply
- Adds comfort into your structure
- It is environmentally friendly
- Very light
- Shock Resistant
- Provides Savings

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THERMONATURAL

NEW GENERATION INSULATION PLASTER

Provides, heat sound and fire insulation

One of the most prominent features of Thermo Natural is providing insulation for both hot and cold weather. It keeps nonstop insulation by preventing heatbridge between indoor and outdoor environment, thus block the heat loss. It can apply all kind of surfaces including inclined surface and assure energy saving up to %50.

Prevent humidity and mold

Due to its vapour diffusion resistance factor is low, it can easily provide discharge the indoor moisture and breathing of the construction.

Support the waterproofing

Waterproofing appears to be very important problem for the buildings. The Thermo Natural application provides maximum support for waterproofing and provent moisture and mold.

It is environmentally friendly

All component of Thermo Natural is natural and does not contain any carcinogenic or radioactive materials. Thermo Natural highly pays attention to human health.

Shock Resistant

Thermo Natural is highly compression strength and shock resistant material. It doesn't cause any shrinkage crack under rapid heat changes.

Very Light

Approximately 6 times lighter than normal plaster. The importance of earthquake safety of this feature is extremely great. In addition, due to the reduction of dead load of the building provides significant savings from the basic equipment. Doesn't cause any shrinkage crack under rapid heat changes.

Easy to apply;

In all kinds of walls including brick, aerated concrete, concrete, concrete slab, ceramic can be applied directly without using any preparatory. External services can be applied by machinery and can also be applied internal surfaces. It saves labor, time and cost under rapid heat changes.

It is economical, provides saving

When Thermo Natural plaster application is made by the internal and external fronts, no need to rough thin plaster application. Removes the plaster cost, saves time, materials and labor.

Eliminates heat bridges

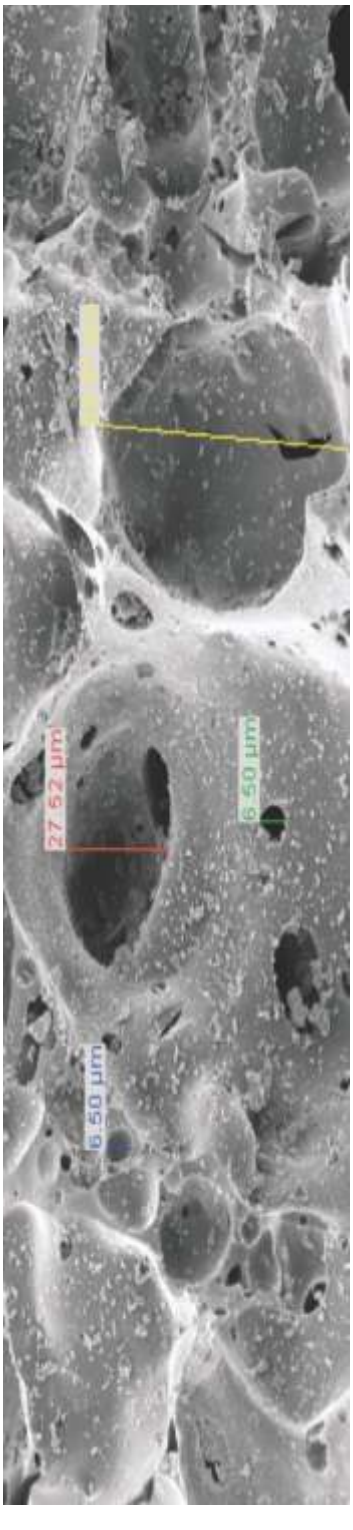
Due to plaster characteristics can be applied on eliptical surfaces. Eliminates heat bridges which weaken the insulation.

Regional modification is easy

Thermo Natural, provides regional modification when applied on surfaces. External factors from any situation or problem will be corrected by regional modifications and they are protected with insulation.

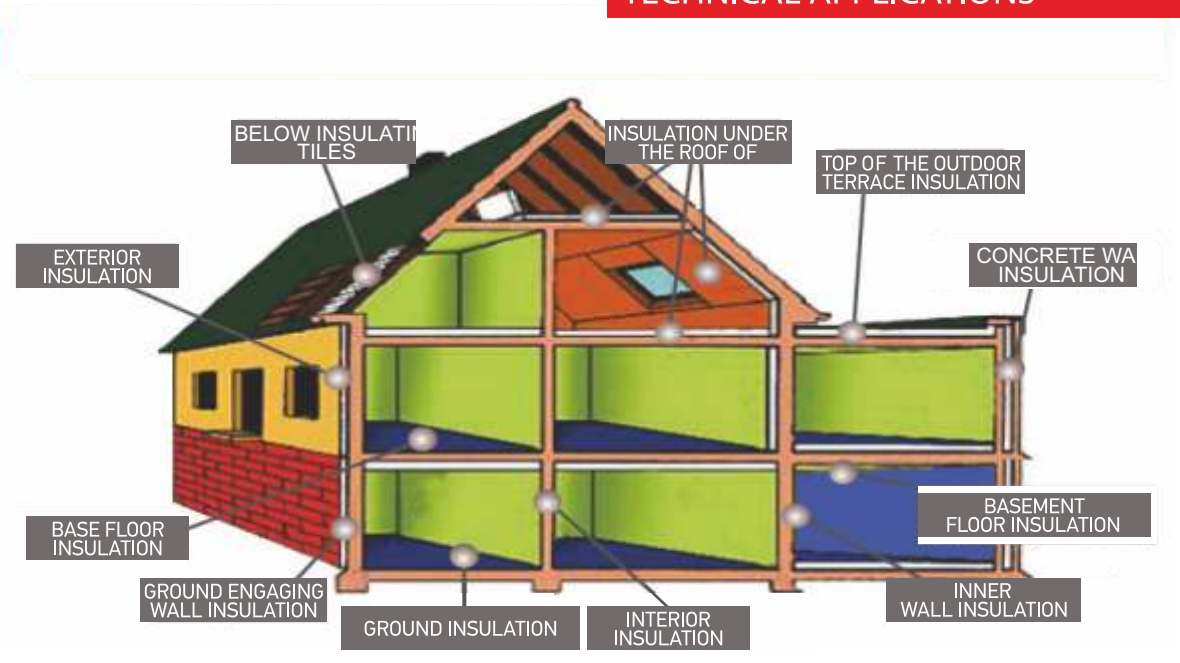
THERMONATURAL
NEW GENERATION INSULATION PLASTER

TECHNICAL SPECIFICATIONS



Thermal conductivity	:	T1(TS EN 1745)
Sound insulation	:	22db
Flammable Class	:	ClassA
Absorption	:	W1
Compressive Strength	:	CS2
Water Vapour Diffusion Resistance Factor	:	5
Total Drying Time	:	Approximately 20 degrees, relative humidity 27 days
Dry Density	:	320kg
View	:	White
Mixture Ratio	:	9kg powder, 5-7lt water
Application Temperature	:	Between 4 and 35 degrees
Applicable Thickness	:	5mm-170mm (At on time 25-30mm)
Application Methods	:	Steel trowel or pdf machines
The exposed surfaces	:	Concrete, brick, pumice, steel, wood, stone and similar surfaces

TECHNICAL APPLICATIONS



APPLICATION SURFACE

In all kinds of walls including brick, aerated concrete, concrete, concrete slab, ceramic can be applied directly without using any preparatory. Homojenic character makes it easy to apply and easy to control.

SURFACE PREPARATION

Any defects on the surface should be robbed off until a plane surface is reached. No need for additional adhesion promoter.

APPLYING PLASTER

Empty the whole pack to a cup. Put necessary clean water and mix for 5 or 6 minutes. During mixing no other ingredients should be added. Application surface thick strips to be mounted at appropriate intervals. It is applied with a steel trowel or machine between thick strips of favorable weather conditions and jigged corrected. 2-3 hours after application molding will be removed and their places are filled with Thermo Natural material and finally burnishing is done. After 3 or 4 days it will be ready for painting.

HIGH COMPRESSIVE STRENGTH

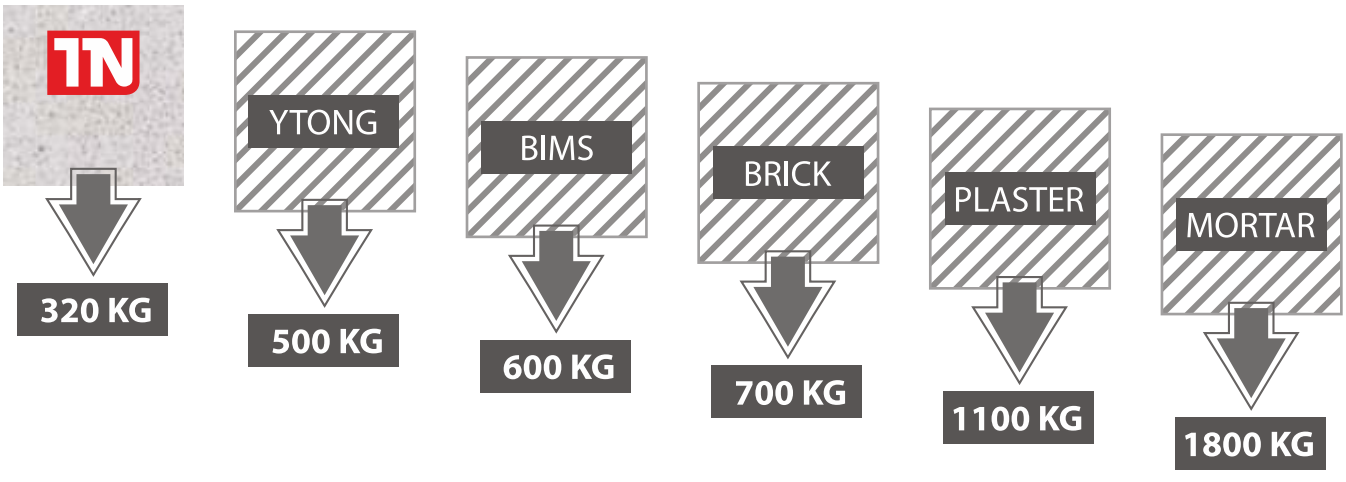
THERMONATURAL COMPRESSIVE STRENGTH

High compressive strength
2350 kPa required for a
2 cm thickness
It is also resistant against impacts

HIGH PERFORMANCE

THERMAL CAMERA PERFORMANCE MEASUREMENT

LIGHTWEIGHT MATERIALS



Thermo Natural, due to plaster forms an oval or square easily wraps every surface of the buildings.
Completely prevents heat bridges, provides a complete isolation.
It can easily applyed to different wall elements such as brick, aerated concrete, concrete, glass, ceramics, concrete slab.

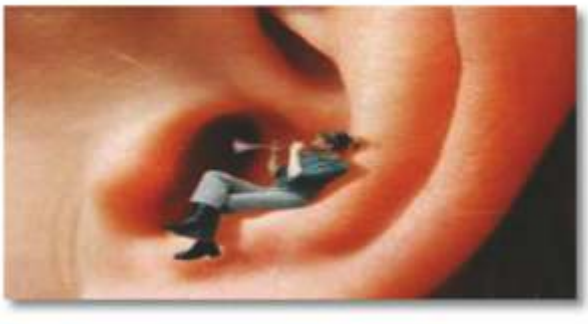
EASY APPLICATION

Approximately 6 times lighter than normal plaster

The importance of earthquake safety of this feature is extremely great.

In addition, due to the reduction of dead load of the building
provides significant savings from the basic equipment.

SOUND INSULATION



Thermo Natural the sound insulating property is higher than other materials used for sheathing.

The human ear can hear sounds between 16 hz and 20 000 hz.

Thermo Natural in the experiments conducted in 2 cm thickness with 500 Hz frequency sound absorption values were measured 22 db.

Porous structure does not reflect sound, it helps to improve comfort by sound absorption in buildings.

PROVIDES SUPPORT FOR WATERPROOFING

Thermo Natural doesn't absorb water or moisture due to its hydrophobic natural components.

While its special structure repulse the water, air diffusion still goes on.

By this way it can provide perfect insulaton.

PROVIDES SUPPORT FOR WATERPROOFING

Fire class
A

Smoke formation class
S1

Burning drop formation class
d0

Acording to EN 13501 fire class is A.

Does not release smoke, soot and toxic gas during the fire.

Due to these features are used as a fire barrier.