

BUILD BETTER CHOOSE THERMOLOCK

SUBSTITUTE FOR CONVENTIONAL PLASTERING

WORLD'FIRST AND ONLY PLASTER COMBINING FIRE, WATER, THERMAL AND ACOUSTIC IN ONE SINGLE PRODUCT



ECO-CONSTRUCTION

A SOLUTION FOR THE FUTURE

Insulation in general terms is the protection of our living space. It is based on four essential bases which are thermal, sound, water and fire insulation.

It is for this reason that it is impossible to obtain total protection by providing insulation only against temperature or against water; Furthermore, we may encounter certain difficulties when applying these four bases.

Insulation is a sensitive subject that can cause more damage than profit when the wrong materials are used. It is therefore necessary to achieve isolation by minimizing the negative effects of outsourced products for the health and economy of the country, the global economy.

Thermolock products are natural insulating products and also leveling products obtained from a high-tech mixture of several aggregates offered by nature (pomza, perlite).

Thermolock alone meets the four essential bases of insulation by providing complete insulation.

As a result, it will not be necessary to additionally carry out a covering (plaster) or leveling for the facade.

The product was manufactured to meet all these needs.



- THERMOLOCK is the world's first and only insulating building material combining **fire, water, thermal and acoustic insulation in a single product.**
- THERMOLOCK insulation products can be seamlessly integrated into any **commercial or residential project.**
- THERMOLOCK allows the **diffusion of water vapor** which can condense in the wall structure. It does **not allow moisture penetration**, this preventing the growth of mold.
- THERMOLOCK is **easy to handle** and install. Less fatigue for the workforce. Up to 2 times more production per day compared to conventional coatings. **Significant savings.**
- THERMOLOCK believes that environmental sustainability is the most important condition for being a successful business.
- THERMOLOCK manufactures with respect for **improving the economy, the environment and the quality of life of society.**
- THERMOLOCK integrates environmental awareness and sensitivity into all areas of business processes. It strives to impose this understanding on its customers and suppliers with the importance it attaches to national and international environmental policies.
- THERMOLOCK, **no need for plaster and other additional coatings** before or after application.
- THERMOLOCK is quick and easy to repair and recoat.
- THERMOLOCK **does not create thermal bridges** due to the unique characteristics of its binding compound.
- THERMOLOCK **does not need to drill** or make holes, which increases the strength of the structure.
- THERMOLOCK creates and forms a **fire barrier.**
- THERMOLOCK provides **sound/acoustic insulation.**
- THERMOLOCK prevents **condensation, humidity and mold.**
- THERMOLOCK **does not contain any carcinogenic products.**



THERMOLOCK is a leading company in the thermal insulation sector. It serves its customers with its professionally manufactured products.

The quality process is the most important factor in strengthening and expanding THERMOLOCK's business.

We produce quality products thanks to our knowledge and the support of our expert staff.

THERMOLOCK's most important policy is to transform customer expectations into satisfaction and develop its products and services in accordance with national and international quality standards and values.

Its operating mechanism and quality control processes ensure the perfect production of its products.

THERMOLOCK	CHARACTERISTIC
	SINGLE COAT APPLICATION
	SINGLE DAY APPLICATION
	LOW LABOR COST
	FASTER RETURN OF SCAFFOLDING
	LESS LABOR
	THERMAL INSULATION
	ISOLATION CONTINUE
	ULTRA-LIGHT WEIGHT
	REFLECHISSANT UV
	FIRE RESISTANT CLASS A1
	WATER RESISTANT AND HYDROPHOBIC
	VAPOR PERMEABLE

THERMOLOCK	FEATURES
	MOLD RESISTANT
	CORROSION RESISTANT
	HIGH CRACK RESISTANCE
	LOW CARBON FOOTPRINT
	WITHOUT VOC (Volatile Organic Compounds)
	GREEN BUILDING MATERIALS
	ACOUSTIC/SOUND INSULATION



All theses solutions in one product



LOW LABOR
COST



THERMAL
INSULATION



ECO-FRIENDLY



R 2.5 / INCH



LIGHT
WEIGHT



NO THERMAL
BRIDGING



FAST & EASY
APPLICATION



MOLD
RESISTANT



A1 CLASS
FIRE RESISTANT



SOUND
INSULATION



RECYCLED
CONTENT



VAPOR
PERMEABLE
(BREATHES)



U.V.
REFLECTIVE



VOC FREE



TROWEL
SPREY ON



ANTIBACTERIAL



REPAIRABLE

OUR PRODUCT CONTAIN ROCK FROM VOLCANO AND MONTAIN



VOLCANIC PERLITE



VOLCANIC POMZA



SECRET MOUNTAIN ROCK

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NATIONAL INNOVATIVE SPECTRUM LLC



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FIRE INSULATION

Increases the resistance of building elements to heat and fire for approximately 1 hour to 4 hours.

THERMOLOCK functions as a fire barrier and protects buildings and structures.

THERMOLOCK has an A1 non-combustibility and non-flammability characteristic, complying with fire regulations. It can resist fire and heat up to 1000°C, without emitting toxic gases or fumes, thus ensuring the safety of people.

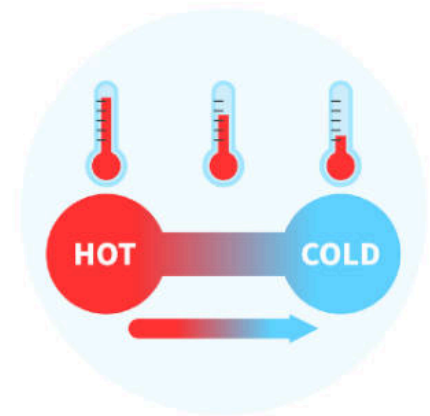


THERMAL INSULATION

The cost of thermal insulation of buildings represents approximately 3 to 5% of construction costs.

If thermal insulation is carried out correctly, a saving of up to 50% on gas and electricity costs.

Nowadays, the importance of energy consumption is increasing. Thermal insulation not only prevents energy loss, but can also help reduce environmental pollution.



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NATIONAL INNOVATIVE SPECTRUM LLC



SOUNDPROOFING

The special structures of Thermolock products provide sound insulation.

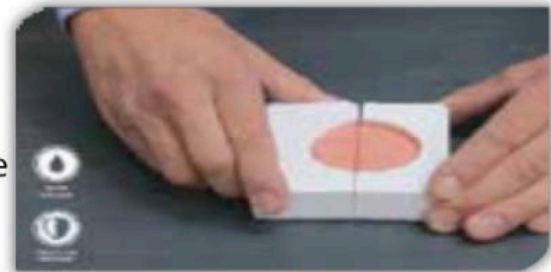
They provide comfortable environments for places where silence is important, such as homes, hotels and hospitals.



WATER PROOF INSULATION

There is no need to use additional product for sealing.

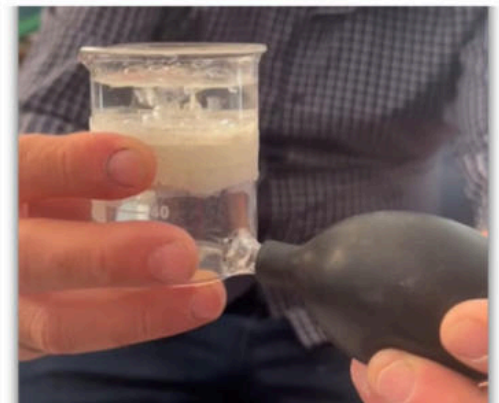
Waterproofing is ensured by the special water-repellent structure and absorption coefficient of Thermolock products.



BREATHABLE FEATURES

Its natural, inorganic structure has high water vapor permeability and maintains insulation by preventing condensation.

Since it does not retain moisture in the structure, it offers an absolute solution against rust and corrosion.



SPECIFICATIONS



SRI (Solar Reflectance)	High 30 W/m²K : 98
Density Appearance	WHITE GRANULAR POWDER 333+- %10 (kg/m)
Thermal conductivity	0.069887 (W/mk) T1
Thermal Emittance	0.869
Soundproofing	25 Db
Compression Resistance	1,638 (N/mm2) CSII
Bond Strength	0,319 IN/mm2)
Water absorption	0,312 kg/m'min 0.5) W1
Fire resistance	1000C° A1 Class
Shelf life	16 months
Application process	Machine or Trowel
Blanket	2m² for 20kg

Thanks to advanced technology and the use of natural inorganic aggregates in exterior coverings, it is a versatile single-component insulating coating, produced in white and non-flammable class A1, with the characteristic of high diffusion (breathability), which ensures thermal, noise and fire insulation.



Sustainability is one of Thermolock's core principles. We firmly believe that the first requirement for being a successful business is environmental sustainability.

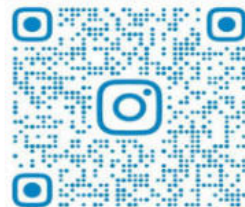
Thermolock has focused on a long-standing company capable of monitoring global trends and projects. This focuses on customer-oriented products and requests while maintaining its own expertise.

OUR CERTIFICATIONS



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NATIONAL INNOVATIVE SPECTRUM LLC



@NISGROUPOFFICIAL

93988872-92977991 Email: info@nisgroup.co www.nisgroup.co