

**THERMO-INS™**  
GREEN BUILDING MATERIALS

*Meet*  
**THE  
FUTURE  
OF  
PLASTER**

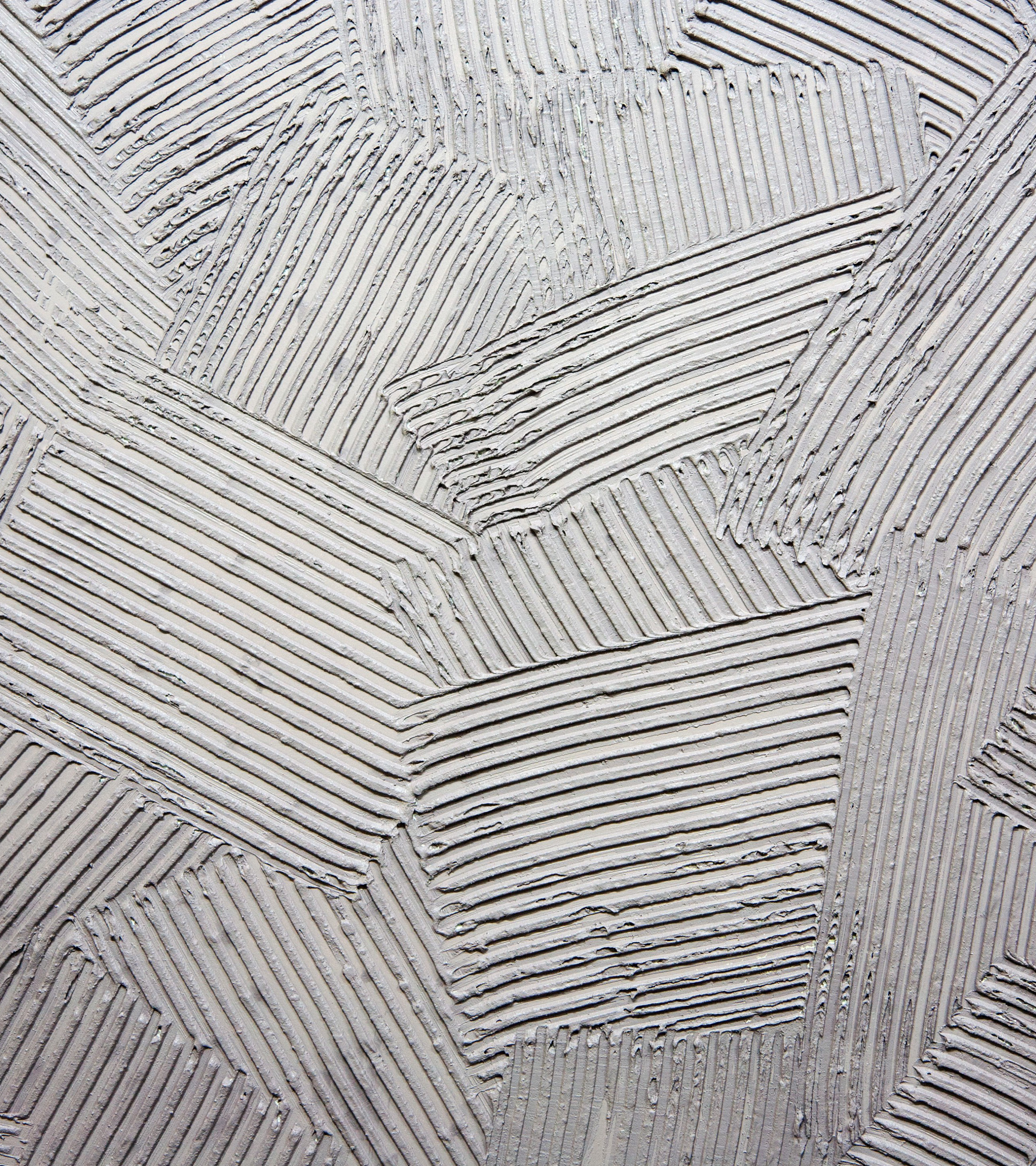


**THERMO-INS™**  
GREEN BUILDING MATERIALS



*Presented by*

**THERMO-INS™**  
GREEN BUILDING MATERIALS



# *What is* Plaster?

Plaster is a building material, that is typically a mixture of sand, cement and water.

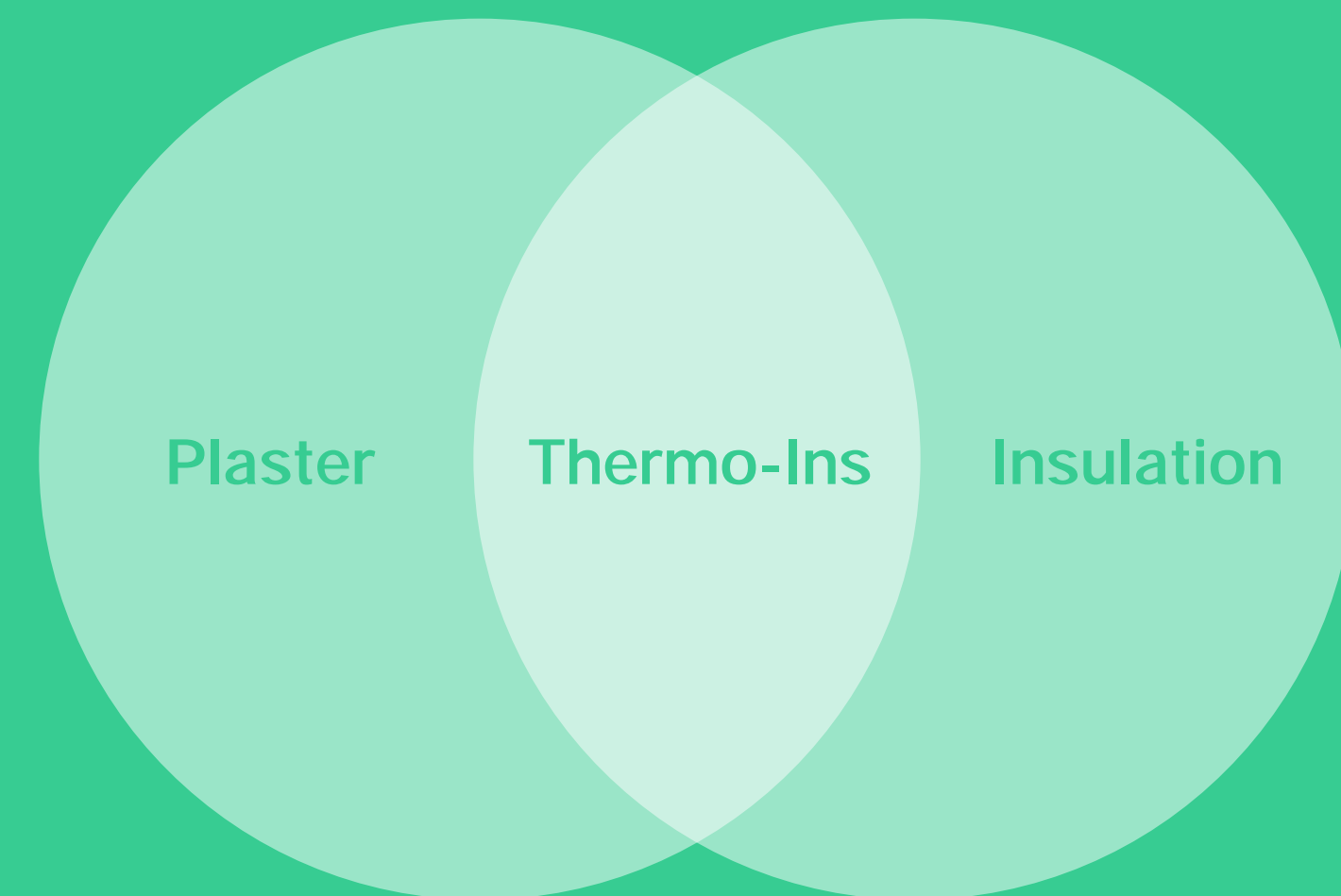
It is made of aggregates, a binder and water.

Plaster is applied wet and hardens to a very dense solid. It is mostly used as decorative coating for walls and ceilings and as a sculptural and artistic material in architecture.



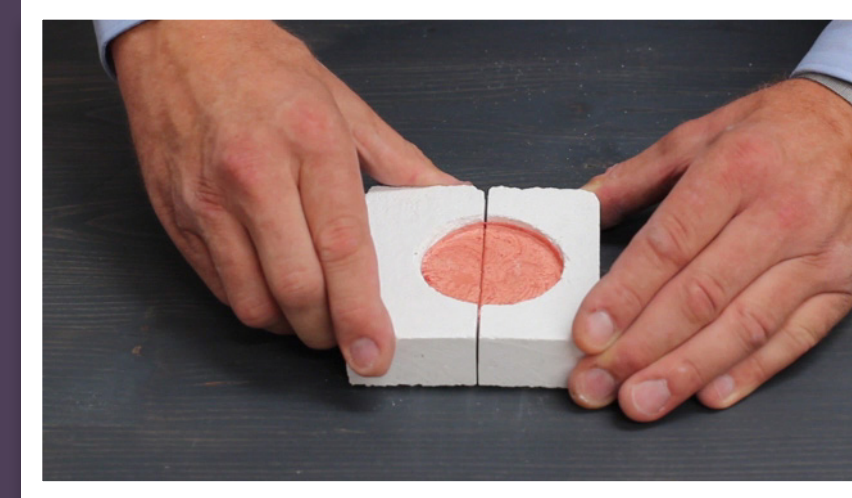
# *What is* **THERMO-INS?**

THERMO-INS™ is a mineral based, ultra light-weight, ecological, monolithic, multi-purpose insulated plaster providing fire & water proofing, acoustic and thermal insulation.

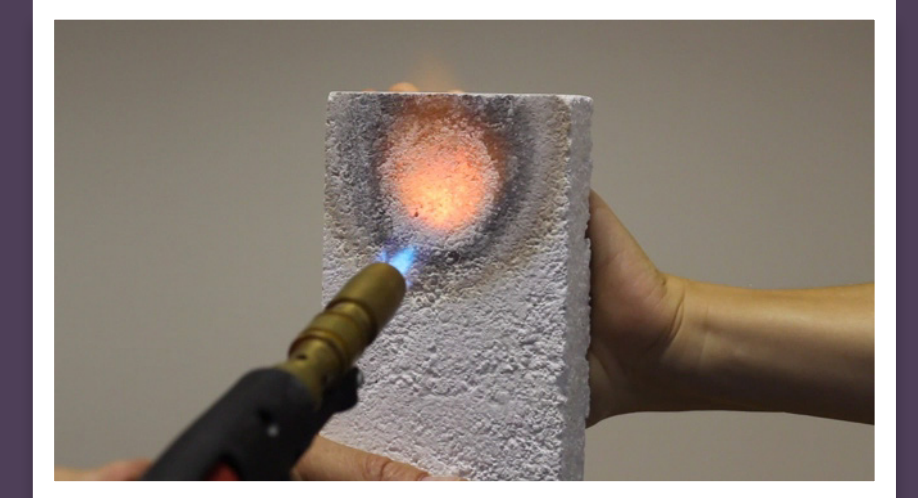




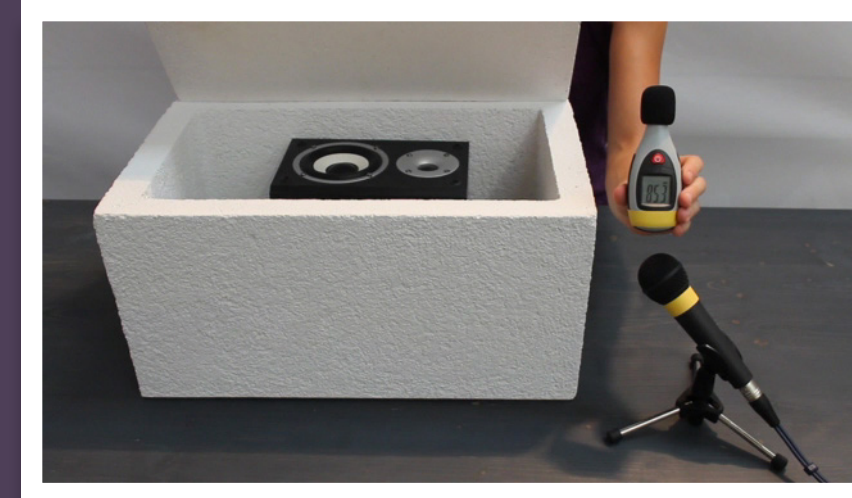
# *What* Makes it Special?



*Hydrophobic Properties*



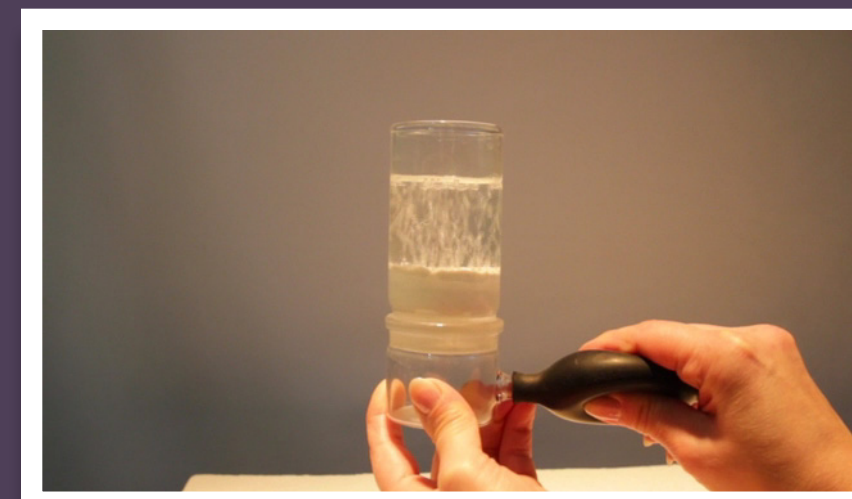
*Non-combustible*



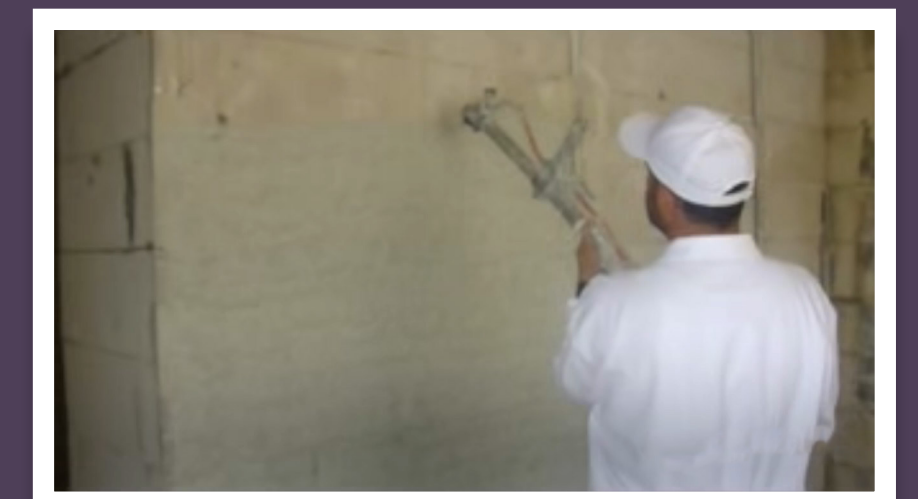
*Great acoustic performance*



*Fire & heat resistant*



*High permeability*



*Easier & faster installation*

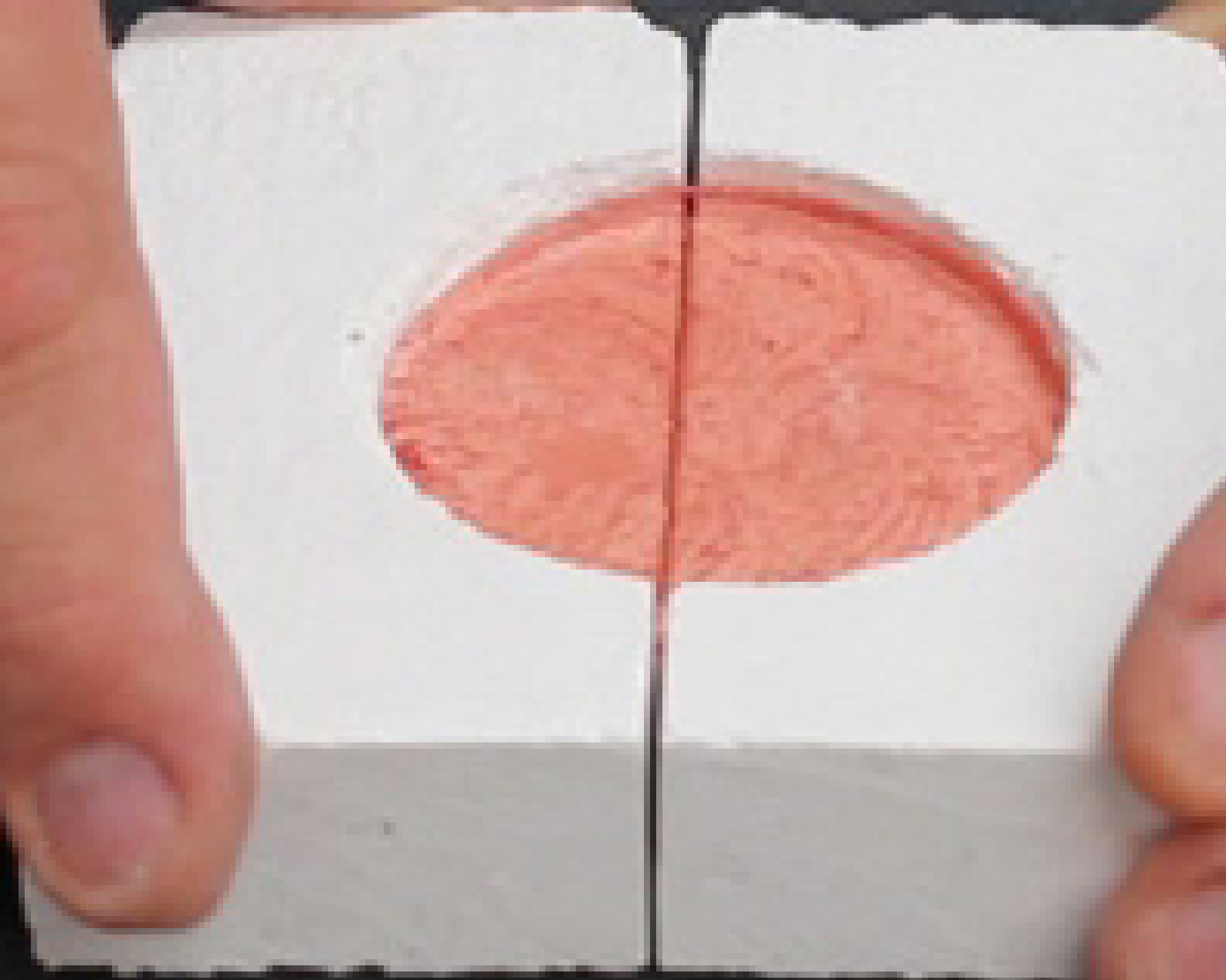
*Click images to watch the videos (Requires internet connection)*



HYDROPHOBIC

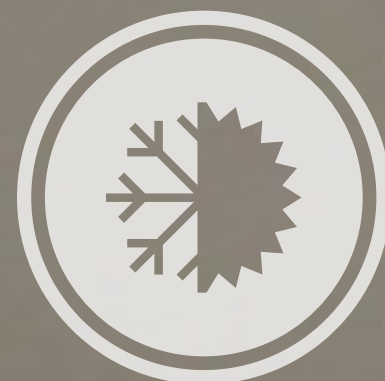


WATER  
RESISTANT

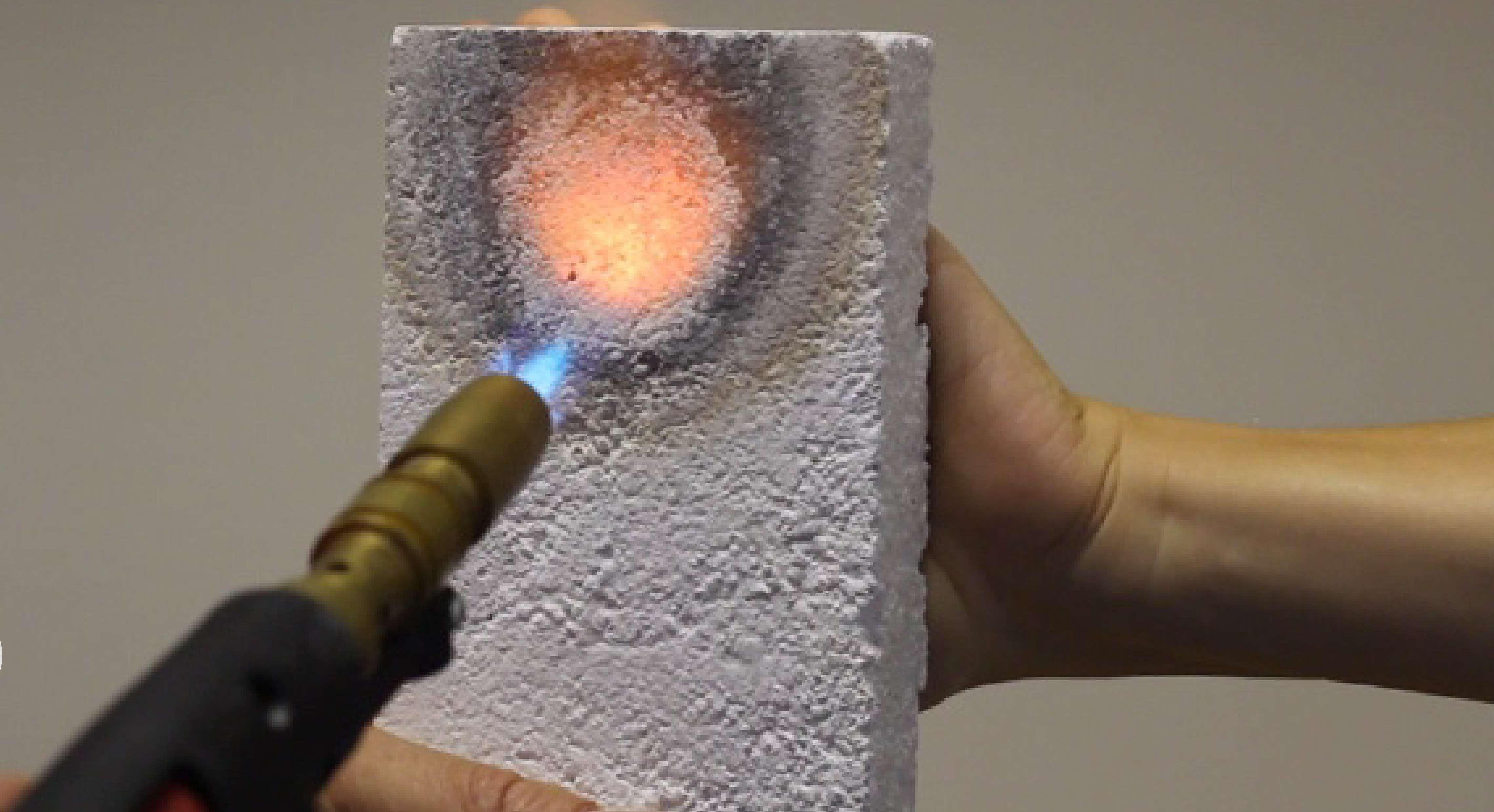




A1 / CLASS 1  
FIRE RESISTANT



THERMAL  
INSULATION





A1 / CLASS 1  
FIRE RESISTANT



THERMAL  
INSULATION



*Click images to watch the videos (Requires internet connection)*

**THERMO-INS™**  
GREEN BUILDING MATERIALS



**SOUND  
INSULATION**



**WATER  
RESISTANT**



**VAPOR  
PERMEABLE**



**MOLD  
RESISTANT**



**GREEN BUILDING  
MATERIAL**





IDEAL FOR  
RESTORATION



# *Features* & Benefits

*Buildings and infrastructure projects must be designed or transformed to consume significantly less energy, water and other resources during their use, maintenance and renovation since their major environmental impact occurs over this phase of their lifetime.*

By working closely with our value chain suppliers, distributors, customers, architects, and urban planners Thermo-Ins™ can help create a safe and profitable industry that increases sustainability both during construction and throughout the life of a building or structure. This will minimize waste; ensure efficient energy, water and materials use; create urban environments where people and biodiversity can flourish and ensure that we become the supplier of choice.



**ULTRA  
LIGHT-WEIGHT**

### **ULTRA LIGHT-WEIGH**

THE WORLDS LIGHTEST PLASTER.

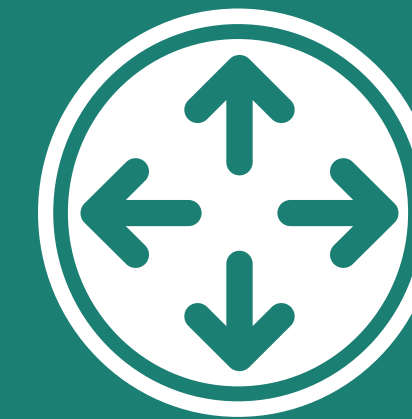
REDUCES THE DEAD LOAD ON  
STRUCTURES.

LESS FATIGUE ON LABOR FORCE.

**THERMO-INS™**



R 1.461 PER  
3CM APPLICATION



**CONTINUOUS  
INSULATION**

### **R VALUE**

PROVIDES R1.461 PER 3CM APPLICATION.  
IMPROVES OVERALL WALL PERFORMANCE.  
REDUCES ENERGY COST.

### **CONTINUOUS INSTALLATION**

HELPS ELIMINATE THERMAL BRIDGES.  
MEETS ADVANCING ENERGY CODES.

**THERMO-INS™**



**WATER  
RESISTANT**

### **WATER RESISTANT**

HYDROPHOBIC.

RESISTS WIND DRIVEN RAIN.

RESISTS HYDROSTATIC WATER  
PRESSURE.

**THERMO-INS™**




**A1 / CLASS 1  
FIRE RESISTANT**


### **FIREPROOF**

A1 / CLASS 1 FIRE RESISTANT  
CAN RESIST UP TO 2700 CELSIUS.  
DOESN'T EMIT TOXIC GAS OR BURST INTO  
FLAMES WHEN EXPOSED TO FIRE.  
CAN BE USED IN A FIRE RESISTANT  
ASSEMBLY.

**THERMO-INS™**



**ONE COAT APPLICATION**




**3 IN 1**

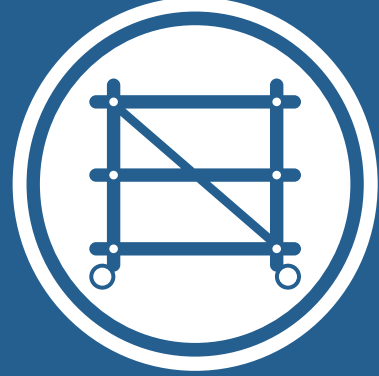
**ONE COAT APPLICATION**  
CAN BE APPLIED IN SINGLE PASS OF UP TO 7CM.

**3 IN 1**  
REPLACES THE TRADITIONAL 3 COAT PLASTER PROCESS.  
PRE-MIXED MATERIAL PROVIDING CONSISTENT RESULTS.

**THERMO-INS™**



**66% LOWER LABOR COST**



**LESS SCAFFOLD EXPENSES**

**66% LOWER LABOR COST**  
LESS FATIGUE.  
INCREASED PRODUCTIVITY.  
EASY HANDLING & INSTALLATION.

**LESS SCAFFOLD EXPENSE**  
GREAT SAVINGS ON SCAFFOLDING.

**THERMO-INS™**



**SINGLE DAY APPLICATION**



**TROWEL OR SPRAY-ON**

**SINGLE DAY APPLICATION**  
SINGLE APPLICATION.

**TROWEL OR SPRAY-ON**  
CAN BE APPLIED BY TROWEL OR SPRAY-ON.  
CAN BE APPLIED UP TO 7CM THICKNESS IN 1 PASS.

**THERMO-INS™**



**EASY TO APPLY**

**EASY TO APPLY**  
NO SPECIAL EXPERIENCE NEEDED.  
JUST ADD WATER, MIXED WITH MECHANICAL MIXER AND APPLY.

**THERMO-INS™**



**DIRECT APPLICATION  
ON VARIOUS SUBSTRATES**

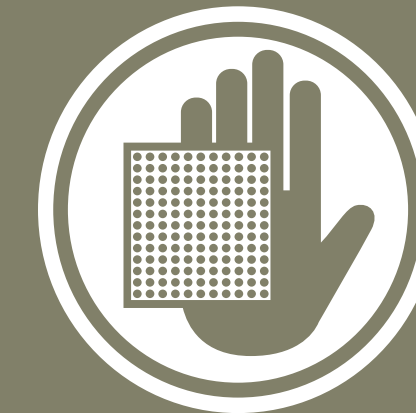
**DIRECT APPLICATION ON  
VARIOUS SUBSTRATES**

IT CAN BE EASILY APPLIED ON  
OSB, PLYWOOD, CONCRETE,  
BRICKS, CINDER BLOCKS, DENS  
GLASS, DRYWALL, SHEETROCK,  
EPS, XPS, ICF, PLASTIC AND  
METAL SUBSTRATES.

**THERMO-INS™**



**SUITABLE  
FOR PRECAST**



**SANDABLE**

**SUITABLE FOR PRECAST**

EASY TO FORM, IDEAL FOR  
PRECAST MOLDING.

ULTRA LIGHT-WEIGHT.

**SANDABLE**

SMOOTH FINISHES ARE  
ACHIEVABLE JUST IN SECONDS.

**THERMO-INS™**



**HIGH CRACK  
RESISTANT**



**CORROSION  
RESISTANT**

**HIGH CRACK RESISTANT**

HIGH CRACK RESISTANT.

**CORROSION RESISTANT**

RESISTANT AGAINST  
DEGRADATION DUE TO MOISTURE,  
SALT SPRAY, OXIDATION OR  
EXPOSURE TO A VARIETY OF  
ENVIRONMENTAL FACTORS.

**THERMO-INS™**



**IDEAL FOR  
RESTORATION**

**IDEAL FOR RESTORATION**

IDEAL FOR RENOVATION OF  
EXISTING AND HISTORICAL  
STRUCTURES.

CAN BE USED TO REPAIR  
CONVENTIONAL PLASTER.

**THERMO-INS™**



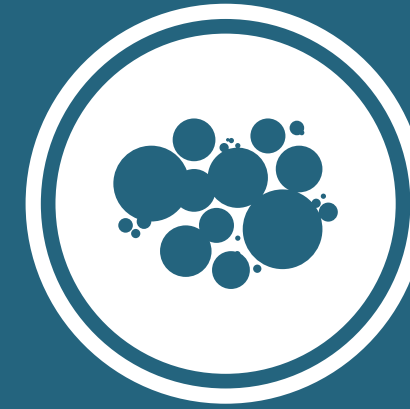
**SOUND  
INSULATION**

### **SOUND INSULATION**

EXCELLENT SOUND INSULATION PROPERTIES.

ABSORBS MID/HIGH FREQUENCY REFLECTIONS UP TO 32 DB.

**THERMO-INS™**



**MOLD  
RESISTANT**



**VAPOR  
PERMEABLE**

### **MOLD RESISTANT**

DOES NOT ALLOW MOISTURE PENETRATION, THUS PREVENTING THE GROWTH OF MOLD / MILDEW.

### **VAPOR PERMEABLE**

PERMITS THE DIFFUSION OF WATER VAPOR THAT MAY CONDENSE IN THE WALL STRUCTURE.

**THERMO-INS™**



**LESS FREIGHT  
EXPENSES**



**UP TO 7 TIMES  
MORE COVERAGE**

### **LESS FREIGHT EXPENSES**

GREAT FUEL AND FREIGHT SAVINGS.

TRUCKS CAN CARRY UP TO 5 TIMES MORE PRODUCT PER LOAD.

### **7 TIMES MORE COVERAGE**

INCREASE SPREAD YIELD UP TO 700%.

20 KG BAG CAN COVER UP TO 6,15M<sup>2</sup> AT 10MM APPLICATION.

**THERMO-INS™**



**40% RECYCLED  
CONTENT**



**LEED  
FRIENDLY**

### **40% RECYCLED CONTENT**

CONTAINS 40% POST-CONSUMER RECYCLED CONTENT.

### **LEED FRIENDLY**

QUALIFIES FOR LEED POINTS.

MEMBER OF USGBC.

**THERMO-INS™**



# Time & Labor savings

## THERMO-INS



ONE INSTALLER

FIRST TIME USER\*

25  
SQ MT  
APPLICATION  
PER SHIFT  
8 HOURS

✓  
x5  
MORE  
AREA

## OTHER



ONE INSTALLER

SQ MT  
APPLICATION  
PER SHIFT  
8 HOURS







	Conventional Plaster	THERMO-INS™
“TRUE” ONE COAT APPLICATION	—	+
SINGLE DAY APPLICATION	—	+
LOW LABOR COST	—	+
FASTER SCAFFOLDING TURNAROUND	—	+
LESS FATIGUE ON LABOR FORCE	—	+
EASY TO APPLY (DIY)	—	+
THERMAL INSULATION (R VALUE)	—	+
CONTINUOUS INSULATION	—	+
ULTRA-LIGHT WEIGHT	—	+
UV REFLECTIVE	—	+
A1/ CLASS 1 FIRE RESISTANT	—	+
WATER RESISTANT & HYDROPHOBIC	—	+
PERMEABLE	+	+
MOLD & MILDEW RESISTANT	—	+
CORROSION RESISTANT	—	+
HIGH CRACK RESISTANT	—	+
IDEAL FOR RESTORATION	—	+
SUITABLE FOR PRECAST MOULDING	—	+
LESS FREIGHT EXPENSES	—	+
LOW CARBON FOOT PRINT	—	+
RECYCLED CONTENT	—	+
V.O.C FREE	+	+
SANDABLE	—	+
ACOUSTIC INSULATION	—	+
LEED & TITLE 24 COMPLIANT	—	+
GREEN BUILDING MATERIAL	—	+



*Product*

# Line

THERMO-INS™ has performance characteristics that make it suitable for all types of buildings and infrastructure projects.

*It provides excellent all around insulation while enhancing the durability of your structures.*

THERMO-INS™ has a tremendous role over your project timing, budget, labor & logistics management while preserving our natural resources.



# *EU* Reports

## EN 1745

*Method applied to test THERMAL CONDUCTIVITY of a material.*

## EN 1015-11

*Method applied to test ADHESIVE STRENGTH of a material.*

## EN 1015-19

*Method applied to test VAPOUR DIFFUSION of a material.*

## EN 13501-1

*Method applied to test INCOMBUSTIBILITY of a material.*

## EN 1015-10

*Method applied to test DENSITY of a material.*





# *Geographic* Footprint

Australia. Belize. Cameroon. Canada. Cayman Islands. Chile. China. Colombia. Denmark. Ecuador. Greece. Guam. Guatemala. India. Iraq. Italy. Jamaica. Jordan. Kuwait. Lesotho. Malaysia. Mauritius. Mexico. Mozambique. Namibia. New Zealand. Nigeria. Pakistan. Panama. Philippines. Russia. Saudi Arabia. Senegal. Seychelles. South Africa. Spain. Turkey. United Arab Emirates. United States. Zambia. Zimbabwe.

*Given our large geographic footprint in emerging countries THERMO-INS™ plays a key role in promoting change and encouraging faster adoption of new technologies and sustainable construction.*

