

" INNOVATION - TECHNOLOGY - EXPERIENCE "

A STABLE PARTNER IN A CHANGING WORLD

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"SKY'S THE LIMIT"

image

Today, when health and care for people has become a basic concern of the modern world, the ecological plasters that we propose have gained a role of maximum importance in the field, designers, executors as well as end customers discovering in our products not only the most efficient way of working but also a source of health, clean, natural, with a very long life, sterile, compact and light.



These advantages will make, in the near future, the majority of people to opt for this method of construction and implicit treatment.
Perfectly ecological - without any polluting residues.



Patented, checked, certified and approved by the most important profile institutions in the world.

Due to the increase in temperature, as a result of the greenhouse effect of gases released into the atmosphere, global warming has begun.

One of the biggest problems worldwide is that some of the man-made greenhouse gases are also produced in our homes and contribute to this phenomenon. Reducing global warming is mainly based on energy saving and energy efficiency. Energy efficiency is also the main result of insulation.

Starting with 2011 by law, obtaining the Energy Performance Certificate became mandatory. According to the building energy performance management directive, insulation is applied according to the status. According to the fire prevention regulations that came into effect in 2008, the use of flammable products such as EPS/XPS in buildings with a height of more than 21.50 m and in residential complexes has been prohibited.

Our research into new generation composite plasters has been going on for over 10 years. As a result of the Product Development and Research-Development studies, a large number of insulations such as thermal insulation, sound insulation, insulation against moisture, dampness, the appearance of fungi, etc. are made by our product in a single process with a thickness of 3 cm.

The proposed materials represent a real revolution in construction and when we say this we mean the multiple advantages that these plasters present compared to the other existing ones.

This technology applied to our buildings means that microbes, bacteria and viruses are eliminated before they have the opportunity to reach our body, most pathogens being eliminated from the initial construction phase.

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So....
Sterile, Light, Compact and smart!
PREVENT – ANNIHILATE – HEAL
Patented and unique technology in the world!!!

WHAT IS NEW GENERATION THERMOINSULATING COMPOSITE PLASTER?

Thermal insulating composite plaster is not a traditional plaster mortar used in the onstruction industry. Thermal insulating plaster is used in the form of ready-made mortar for the external and internal thermal insulation of buildings. This specially developed mixture is an inorganic composite plaster mortar with permanent characteristics, obtained from natural materials.

WHAT ARE ITS SKILLS?

The heat-insulating composite plaster gives the surface on which it was applied:

Thermal comfort

Acoustic comfort

Waterproof

Fire resistance

The ability to breathe (Diffusion)

The ability to create a hygienic environment

IDEAL

CONSERVATION AND REVITALIZATION OF CULTURAL AND NATURAL HERITAGE

We follow every step of technological development with the application of our quality policy, the secret of our success, without losing our ambition and confidence in the future, and we continue to follow our path without deviating from the principle of quality production.

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LOW DENSITY
SOUND ISOLATION
EASY APPLICATION
WATERPROOF
BREATHABLE PLASTER
INSULATION
FIREPROOF
ECOLOGICAL PRODUCT

PROFESSIONAL PRODUCTS FOR PROFESSIONALS

NEW GENERATION COMPOSITE PLASTER HEAT

image

**ECOLOGICALLY EFFICIENT INSULATION
SAVE YOUR HEALTH - SAVE YOUR CUSTOMERS - SAVE YOUR BUSINESS**

image

INSULATION

$\lambda = 0,010 \text{ W/m}^2\text{K}$

In loose condition.

It is used on the interior, exterior, terrace and flooring of all buildings.

Cool houses in summer, warm in winter.

Your heating expenses such as natural gas will be reduced.

Electricity bills for cooling will be reduced.

It does not create a thermal bridge.

Corresponds to the Thermal Insulation Directive in Buildings.

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BREATH

Thanks to the natural components in its special formula, it has breathable characteristics.

Being natural and "breathing" prevents the formation of mold, moisture.

Does not develop odor.

It extends the life of the building.

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ACOUSTIC ABSORPTION

25dB (3cm / 500Hz)

It represents the reason why it is preferred in Hotels and public housing.

Due to the application with natural components, it has the characteristic of acoustic absorption.

WATERPROOF

It has water-repellent properties on vertical surfaces.

It does not allow water to penetrate through capillary cracks.

Products intended for vertical surfaces, such as TERASE, are manufactured with triple (3) the fire-retardant feature.

Thanks to its "breathing" feature and its special formula, it removes water from its contents.

FIREPROOF

A1

In residential complexes, workplaces, high-rise buildings, only the use of these products is allowed.

It does not emit flammable carcinogenic gases.

It has a flame resistance above 2500°C.

Class A flame retardant product which represents the top class.

Within the Fire Prevention Norms, the use of Class A1 materials was imposed for high-rise buildings and residential complexes.

In the Norms there is the provision "Class A1 materials do not contribute to combustion at any stage of combustion, including fully developed fire.

That is why it is automatically assumed that **these materials provide all the characteristics set for the lower classes.**

image

ECOLOGICAL

It is a complete ecological product!

The raw material is manufactured with inorganic ore.

No global warming CO emissions. No petrochemical products are used. They do not emit fatal gas when inhaled.

LOW DENSITY - FAST ECONOMICAL APPLICATION

NO ADDITIONAL PLASTER MESH, SCREWING, WORKMANSHIP ETC REQUIRED.

Image

8-9 kg bag – 70-80 lt.

Dimensions 50x100 cm. Weight of 8-9 Kg. so... Ensures ease of transportation.

It reduces the load on the building, being the lightest material in its category. It is 7 times lighter than normal plasters. Due to the low weight, it ensures the possibility of quick applications.

One bag can cover 3 square meters with a thickness of 1 cm.

It can be applied to the brick at once in a thickness of 3 cm.

It does not require other operations.

PRODUCT CHARACTERISTICS

THERMAL CONDUCTIVITY IN THE SLOW STATE	$\lambda = 0,010 \text{ W/m}^2\text{k}$ (T1)
SOUND ISOLATION CHARACTERISTICS	25 dB (3cm/500Hz)
FLAMMABILITY CLASS	Fireproof Class A1
CAPILLARY WATER ABSORPTION	0,3% (<10) (W1)
RESISTANCE TO PRESSURE	0,70 N / mm ² (CS1)
WATER VAPOR	μ 4.5
BOND STRENGTH	0,40 N/mm ²
BENDING RESISTANCE	8Kgf / cm ² (> 4)
DRYING TIME	8 hours at 20°C
COMPLETE DRY	28 Days at 20°C
DENSITY	120 + 20 Kg / m ³ 1,40Kg/m ²
ASPECT	White
APPLICATION TEMPERATURE	< 50°C
CONSUMPTION	2,5 Kg / m ² (at a thickness of 1 cm.)
APPLICABLE THICKNESS	3 - 4 cm

PRODUCT DIFFERENCES - COMPARISONS

FIXED LOAD	OUR PLASTER	IPSOS PLASTER	CLASSIC PLASTER WITH SAND
Density Kg. / m ³	130	1.100	1.800
Total Thickness of Interior and Exterior Plasters Kg. / m ²	7,5	30	54
Interior Exterior Plaster Surface - 1 Apartment Kg./ m ²	3.750	15.000	27.000
Screed 100 m ² Thickness 5cm. 1 Apartment	1.250	5.000	9.000
Occurred load 1 Apartment / Kg.	5.000	20.000	36.000
Load Occurred in a Building with 40 Apartments / Kg.	200	800	1.440
THE DIFFERENCE	THE IDEAL WEIGHT	4 TIMES THE LOAD	7 TIMES THE LOAD

INSULATION VALUES	INSULATION VALUES	
	THERMAL CONDUCTIVITY (λ) W/MK	DENSITY Kg / m³
OUR PLASTER	0,029	130
IPSOS PLASTER	0,35	1.100
GAZ BETON	0,14	500
ROUGH PLASTER	0,87	1.800
PERFORATED BRICK BLOCK	0,34	700
BIMS	0,18	600

Our product with formulas specially developed for use on the Exterior Facade, Interior Walls, Floor / Screed and Terrace / Roof of the Buildings built by you is put on the market in 8 Kg bags.

EXTERIOR FACADE PLASTER
 INTERIOR FACADE PLASTER
 TERRACE / ROOF PLASTER
 PLASTER SCREED / TERRACE

Image

Preparing the Wall

The surface to be plastered must be cleaned of grease, dirt, dust, paint, etc.

Products like brick, BIMS, etc. dust can only be cleaned by spraying with water.

Anchor bars of the desired thickness are hammered or glued.

It is being prepared for wall application.

A 3,5 square meter area can be plastered with a material bag (60lt). - 4 sqm. to a thickness of 1 cm.

Plaster preparation

MATERIALS REQUIRED

Concrete mixer, Plastering machine with mixer

1 Bag (60lt) material

10 - 13 liters of water

Mixer to mix with 2 phases 800-1000 d/minute

PREPARATION

Put 5 liters of water in a concrete mixer, plastering machine

The entire contents of a (60lt) bag of insulating plaster are poured into the concrete mixer

Add the remaining 7 - 8 liters of water

Mix with the concrete mixer for about 3 minutes or with the mixer for about 0,45 min. by bottom-up and circular motions

The plaster is controlled with the trowel

The mixture must be consumed within 2 hours

NOTE: The product can be applied both manually and by machine