

# MOULD LOCK

## Thermal insulating coating



### USAGE

**MOULD LOCK** is an innovative insulating coating suitable for cases of thermal bridges, where due to lack of insulation mainly in columns and beams of buildings presents the phenomenon of condensation of water vapor resulting in images of black spots which is nothing else than fungi (mould) that spread continuously. **MOULD LOCK** has excellent adhesion to all surfaces. It doesn't flow and paves very easily by brush, roller, trowel or spray gun. It is not toxic and therefore can be applied in all kind of rooms such as bedrooms, kids' rooms, etc. It can be rubbed and painted in order to get a final result that has no aesthetic difference from adjacent surfaces. **MOULD LOCK** is paintable after drying, by plastic or acrylic paints. With a coefficient of thermal conductivity  $\lambda = 0,123 \text{ W/mK}$  and crust thickness of 2-2,5 mm, it significantly reduces the heat loss of the space, resulting economy in energy consumption.

### COMPONENTS

Inorganic fireproof mineral and acrylic polymers.

### APPLICATION

Before its application, it is recommended that the surface is clear and free from rotten materials, dust, oil, lubricants and other waste material. We must stick very well to cleaning (eg with alcohol or bleach with ratio to water 1/1) because even a very small fungi source to leave we will not have the desired effect. Dilute **MOULD LOCK** with 10% water and stir well until it becomes a homogeneous paste. Spread the material which is now ready with roller (relief) or brush making sure you evenly paved and without gaps. After drying (~24 hours) we apply the next layer as above. The thickness of the desired crust is at least 2mm, so you may need a third hand. It is good if you intend to use spatula over the final surface for the material to save time. Finally, we create an insulating crust which provides to the structural element (column, beam, wall) the

necessary normalization of temperature in the interior, so that no longer occurs the phenomenon of water vapor.

### PACKAGING

**MOULD LOCK** is disposable in plastic buckets of 4 and 12kg.

### CONSUMPTION

The consumption depends on the amount of the absorption and the structure of the surface. Identically at about  $1 \text{ kg/ m}^2 \text{ /mm}$  per layer is adequate depending the desirable result.

### STORAGE

You can use the product for one year after its date of production, kept in sheltered area, with temperature range of 5-35°C, not under sun exposition. Keep away from ice. If the product had been stored for a long time you can thin it out with water, if it is required. Agitate the product with a low spin drill before use.

### SAFETY

The material is not classified as dangerous. In case of contact with eyes and mouth, rinse with plenty of water and be addressed to a doctor by showing the product's label and M.S.D.S. Hands must be cleaned with water and soap after each application. Tools can be cleaned with water. Do not pour it on the ground or water. Always follow the related rules. For additional info ask the MSDS of this material from the producer.

# MOULD LOCK

## Thermal insulating coating



### TECNHICAL CHARACTERISTICS

Description	Thermal insulating coating
View	Pasty / fine grained
Color	White
Odor	Light / Odorless
pH	7-7,5 (25°C)
Density	1,15-1,20 g/cm <sup>3</sup> (EN ISO 2811)
Granulometry	0,2-0,5 mm homogeneously dispersed
Thermal conductivity, λ	0,123W/m*K
Solid Content	70-75% w/w (3h, 120°C)
Drying time 20°C	2-3h for thickness of 2-3mm (1kg/m <sup>2</sup> )
Complete solidification for exposure to flame	>48h

**ATHENS**  
**Head Office**  
 111, Lefkias str., Korymbi Attica  
 14568, Athens, Greece  
 Tel.: +30 210 81.61.857

**SALONICA Offices & Distribution Center**  
 4, Ipeirou str., Kalochori  
 57009, Salonica, Greece  
 Tel.: +30 2310 79.66.53

**INOFYTA**  
**Distribution Center**  
 55<sup>th</sup> km National Road Athens/Lamia  
 32011, Inofyta, Viotia  
 Tel.: +30 22620 30887

**CRETA**  
**Offices & Distribution Center**  
 5<sup>th</sup> km National Road Iraklio-Moires  
 71500, Iraklio, Creta Island  
 Tel.: +30 2810 54.32.10

**N.ARTAKIEVIA**  
**RoofTile Plant**  
 Profitis Ilias  
 34600, N.Artaki Evia  
 Tel.: +30 22210 43985

**ARMA VOIOTIAS**  
**Bitumen Products Plant**  
 Stathmos  
 32200, Arma Voiotias  
 Tel: (+30) 22620 72083