

THERMICAL PITTURA

THERMICAL PITTURA is a biocompatible mineral insulating paint. It is composed of low specific weight silica micro spheres and lime putty obtained by baking pure limestones in vertical ovens at temperatures lower than 900°C, classified with the CL 90-S PL mark according to UNI EN 459-1. It is used naturally or mass-coloured with light resistant inorganic pigments for thermal painting.

- Dehumidifying
- Environment Friendly
- Disinfectant
- Restoration
- Breathable
- Resistant
- Versatile
- Recyclable
- Healthy
- Antibacterial
- Anti-condensing
- Anti-mould
- Quick
- Light
- Easy
- Green building
- Pollution resistant
- CL90



Features

THERMICAL PITTURA is made up of low specific weight silica micro spheres and, as the only binder, Lime putty CL 90-S PL long cured and totally hydrated. This composition makes the finish eco-friendly, biocompatible and reversible and gives it low thermal conductivity. The absence of volatile organic compounds (VOCs) ensures the purity while the total lack of petrochemical derivative products ensures compatibility with full respect for man and the environment by eliminating Sick Building Syndrome. The totally mineral nature of THERMICAL PITTURA, combined with a very basic pH, makes it an excellent natural protection against bacterial proliferation and the formation of superficial moulds, avoiding the formation of dangerous condensation by regulating the ambient humidity and the carbon dioxide content of environments. The TCS COLOURS are available in the fan colour guide, in white, or to the sample. The finishes obtained increase the insulation capacity of the substrate.

Fields of Application

THERMICAL PITTURA is specific for thermal painting in the newly constructed, recovering existing structure and restoration sector. It can be applied to different types of vertical and horizontal substrates, internal and external, both existing and new, such as: rustic plaster of any type and nature (lime and/or cement based) previously smoothed with the products of the TCS Smoothing Compound Line.

Application

In the case of absorbent, clean and cohesive surfaces, the application of THERMICAL PITTURA mineral painting can take place directly without regulating primers. For all surfaces affected by mould or bacterial attacks, it is necessary to proceed with the preventive application of THERMICAL DETERGENTE. Otherwise, for poorly cohesive, very absorbent or particularly uneven substrates, the surface treatment with KAPPASIL FONDO diluted with water up to 50% is recommended. This treatment allows homogenization of surface absorption and improves the substrate cohesion. THERMICAL PITTURA, after dilution with water can only be applied by brush directly on the surfaces to be painted. The first coat should be diluted only with 7-7.5 l of water per tin, when the first coat is thoroughly dry, proceed with the spreading of the second coat of diluted product with about 4-5 l of water per tin. Depending on the desired insulation and aesthetic effect, it is possible to apply a third diluted coat as the second coat. The product must be mixed with a vortical whip at low speed

Warnings

- Product for professional use.
- Do not modify the product.
- Store the product in a dry place in the original sealed packages.
- Before using the product refer to the Safety Data Sheet.
- The data given correspond to the technical and application knowledge we have for proper use of the product, so it is recommended to carry out a practical test prior to in order to verify the suitability of the product for its intended use and consumption.
- Protect the surfaces from atmospheric phenomena, sun, wind, rain and frost.
- Since our company is not the executor of the works and can not intervene directly on the construction site conditions and on the methods of work execution, the indications given are to be considered as indicative and general, and therefore not binding for the same.
- The Company reserves the right to make the changes at any time without notice when it deems necessary.
- For more information and practical product demonstrations please consult our technical service.
- Always refer to the updated versions of the technical data sheets available at www.tcs-srl.it.

Technical Data

PRODUCT TYPE Air Lime insulating mineral Paint CL90-S PL UNI EN 459-1 for interior and exterior use

pH OF THE MIXTURE > 12.5

DENSITY 910 kg/m³

2010 CE LIMIT VALUE OF VOC (cat. A/a) 30 g/l Max VOC 10 g/l

WATER VAPOUR PERMEABILITY COEFFICIENT (EN 1015-19) Sd 0.050m

DRYING to the touch 6-10 hrs completed in 24-48 hrs

FLAME RESISTANCE (EN 13501-1) A1 class

DILUTION only with water, first/second/third coat 1.5 l per tin

COMPATIBILITY not compatible with other products

CONSUMPTION 2.5 m²/l about two coats on new finished civil support

APPLICATION brush

CLOURS the TCS COLOURS are available in the fan colour guide, in white or to the sample

PACKAGING White 14 l bucket Coloured 15 l bucket

PALLET 36 buckets, 486 kg max

STORAGE without expiration stored in original unopened packages in a dry place away from sources of heat and frost

APPLICATION TEMPERATURE from +5°C to +32° C

REACH CLASSIFICATION See SDS