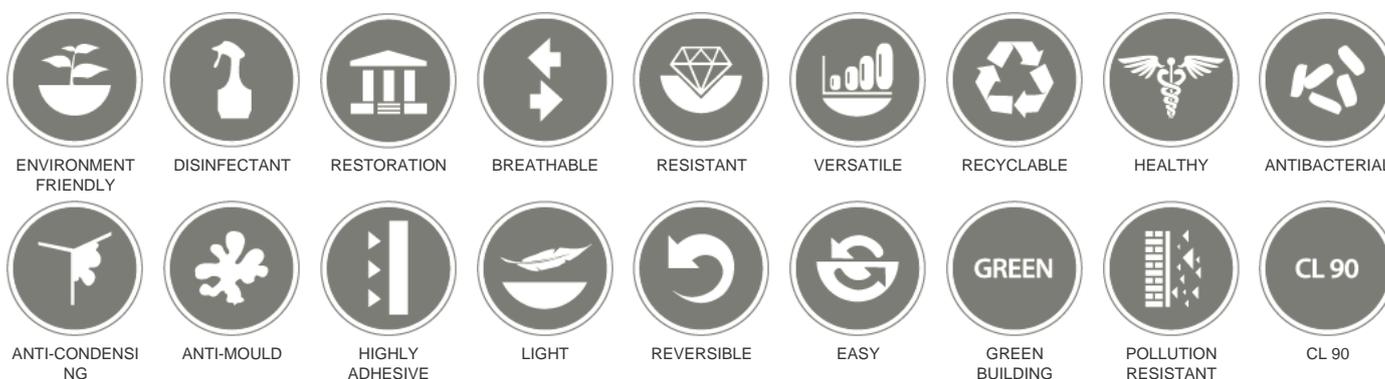




Lime

## STORICAL AFFRESCO

**STORICAL AFFRESCO** is a biocompatible mineral paint consists of only Lime putty obtained by baking pure limestones in vertical ovens at temperatures below 900° C, long cured, totally hydrated and classified with the **CL 90-S PL** marking according to standard UNI EN 459-1. It is used naturally or mass-coloured with light resistant inorganic pigments for painting, glazing or whitewashing.



## FEATURES

**STORICAL AFFRESCO** consists of only Lime putty **CL 90-S PL** long cured and totally hydrated. This composition makes the finish eco-friendly, biocompatible and reversible. 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 **STORICAL AFFRESCO**, 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 natural whiteness of the lime and the colours obtained with inorganic pigments contribute to recreating the aerial and bright atmospheres of ancient lime colourings.

## FIELDS OF APPLICATION

**STORICAL AFFRESCO** is specific for painting, glazing and whitewashing 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) levelled in advance with the products of the **TCS Smoothing Compound Line**.

## APPLICATION

In the case of absorbent, clean and cohesive surfaces, the application of **STORICAL AFFRESCO** mineral painting can take place directly without regulating primers. Otherwise, for poorly cohesive, very absorbent or particularly uneven substrates, 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.

**STORICAL AFFRESCO**, after dilution with water, can be applied by brush, airless and short haired mohair roller directly onto the surfaces to be painted. The first coat should be diluted only with 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.

In the case where **STORICAL AFFRESCO** is laid on particularly exposed surfaces, to apply a waterproof protection type **TI 10** or **TI 10 PLUS** of the **TCS Protection Line** is recommended.

## FINISHES

In the case where **STORICAL AFFRESCO** is laid on particularly exposed surfaces, to apply a waterproof protection type **TI 10** or **TI 10 PLUS** of the **TCS Protection Line** is recommended.

## TECHNICAL DATA

PRODUCT TYPE	<b>Air Lime finishing paint CL90-S PL UNI EN 459-1 for interior and exterior use</b>
pH OF THE MIXTURE	<b>&gt; 12.5</b>
DENSITY	<b>1300 kg/m<sup>3</sup></b>
VISCOSITY	<b>at 20°C 9000 cps</b>
2010 CE LIMIT VALUE OF VOC (cat. A/a) 30 g/l	<b>Max VOCs Content 10 g/l</b>
WATER VAPOUR PERMEABILITY COEFFICIENT (EN 1015-19)	<b>Sd 0.055m</b>
DRYING	<b>to the touch 8-10hrs completed in 24hrs</b>
FLAME RESISTANCE (EN 13501-1)	<b>A1 class</b>
WATER DILUTION	<b>first coat 7.5 l per tin - second/third coat 4-5 l per tin</b>
COMPATIBILITY	<b>not compatible with other products</b>
CONSUMPTION	<b>4 m<sup>2</sup>/l two coats on new civil finishing substrate</b>
APPLICATION	<b>by brush or airless</b>
CLOURS	<b>the TCS COLOURS , are available in the fan colour guide, in white or to the sample</b>
PACKAGING	<b>15 l bucket</b>
PALLET	<b>36 buckets, 720 kg</b>
STORAGE	<b>without expiration stored in original unopened containers in a dry place away from sources of heat and frost</b>
APPLICATION TEMPERATURE	<b>from +5°C to +32° C</b>
REACH CLASSIFICATION	<b>See SDS</b>

## 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](http://www.tcs-srl.it).