



INTONACHINO STORICO

COLOURED SLAKED LIME PASTE BASED PLASTER

- Description** INTONACHINO STORICO is consisting out of slaked lime, natural coloured earth pigments and selected lime-silica fillers. This is mixed with activated silica. Our laboratory controls dosages. The slaked lime is originating from a pure lime with is consisting mainly out of a amorphous mineralogical structure, dried for a sufficient time at a high temperature; the slaking of the obtained calcium oxide, previous at the wet milling, is done for a period of at least 4 months. The natural earth particles are of a fine size and their quality and stability are checked and controlled accurately.
- Advantages** Wide range of colours, particular studied for the exigent technological, artistic and aesthetic demand for the restoration of antique buildings or were some special environmental care has to be taken. Exceptional and controlled quality, easy to apply, optimum adhesion to the support, high durability and colour-stability.
- Field of application** Do not apply at temperatures below 0 °C.
We recommend a preparation of the surface depending on the quality of the support. Normally a normal lime based plaster is sufficient as support if the plaster is not too rich on cement. Apply only on a support that is not suffering from humidity spots: INTONACHINO STORICO applied on a saturated surface shall not hide wet spots but emphasizes them!!!
Particularly attention has to be made at the bottom side of the application were there is a greater possibility for capillary rising of water.
It is recommended to apply on the first meter, taken from the bottom, of the application MACROPORE®, our product against capillary rising of water.
- Adhesion to the support** INTONACHINO STORICO is by its nature a soft product, easy to apply and with good adhesion. It is however possible that the quality of the support gives some adhesion defects:
- If after finishing the lime based support there is some formation of efflorescence's that after curing are clear and non-absorbing, they obstruct the adhesion of any material on the INTONACHINO STORICO also pure silicate based paints (if the application of silicates is considered, recommendation is first to use a liquid based on Fluor-silicate acids). If the formation of lime efflorescence can not be avoided, they have to be fixated prior to the application of Intonachino in such a way that they are turned in a normal absorbing support. If needed the use of ADHEWAT as adhesion primer is recommended (depending on the following applications).
 - Avoid applying on a plaster that is containing too much cement.
 - If the support is containing organic polymers (latex, acrylic,...) these can once the product is cured lead to adhesion loss. In this case a test has to be done for the adhesion by applying on the support, with a brush, our product ADHEWAT immediately followed application wet in wet, by an application of INTONACHINO STORICO. Do not let the ADHEWAT dry, because once dry and polymerised it can also cause adhesion loss of the product.
 - If a premixed plaster is used first execute an adhesion test or use our adhesive primer ADHEWAT.
 - Do not apply on a surface that is not sealed against humidity.
 - Do not apply in the presence of capillary uprising of water, as this can bring salts to the surface (sulphates, nitrates, chlorides,...).
- Our Technical Service department is at your disposal for job site assistance and to advice the most suitable way of work.



From Project to Jobsite

Use Apply INTONACHINO STORICO after a sufficient curing time of the supporting plaster (from 7 till 20 days depending on the climate).

The supporting plaster should be levelled without too much variation in smoothness to avoid applying the product in wide variations of thickness: INTONACHINO STORICO should be applied at small thickness (circa 2 mm) and this has to be as homogenous as possible on the entire surface.

Wet the surface before application in the most homogenous way possible: if the support is very absorbing and also when the surface is not thoroughly wetted before application of Intonachino Storico, this can lead afterwards to defects in adhesion. Before application wait until the standing water on the surface has disappeared.

The utility of the wetting depends entirely on the absorbance of the support and the season of application. Avoid, certainly in the summer, to apply the product directly in the sunlight.

Mix POLVERE CROMATICA SILICATIZZANTE separate with water (or with ADHEWAT if there is a need to improve the adhesion) with a mechanical mixer until homogenous slurry. Add this slurry to the pail INTONACHINO STORICO paste, mix this thoroughly until the desired consistency is obtained and with, if needed, the addition of extra water (or ADHEWAT).

Apply a first layer of plaster with a plaster trowel; at a minimum thickness, apply a second hand with a spatula at the right thickness and finish the application by floating with a wet sponge trowel or a spatula depending on the desired aspect of application. Do not wet with a brush and do not remove the plaster with an excess of water.

The product, when applied at a thickness of 2mm, will have a consumption of about 3 kg/m².

In case of doubt on the nature of the support or the adhesion always act as follows:

- **Wet the support until some standing water is observed**
- **Immediately after this, when the standing water has disappeared, apply by brush ADHEWAT followed by the application of the product (in the case the ADHEWAT is already dried out redo the application of ADHEWAT before applying Intonachino).**

Physical properties (typical values)	Compressive strength 28 days - N/mm ²	0,5 - 1
	Flexural strength 28 days – N/mm ²	0,2
	Static modulus of elasticity – N/mm ²	1000-1500
	Adhesion to stone	-
	Adhesion to brick	-
	Water vapour permeability	12

Packaging Pails of 20 Kg for Intonachino Storico + bag of 1 Kg of Polvere silicattizzante

Colours Colours available are "BEIGE", "OCRA", "ROSA ANTICO", "OMBRA".

After a first selection by the Job Supervisor we will assist our clients by providing a wide series of samples. It is recommended to perform always this operation in advance, so as to allow managers the best chance of judgment and in the context of the building and the environment, particularly.

The carbonation reaction of INTONACHINO is slow and can continue for a long period of time. The carbonation happens slowly by the formation of micro-crystalline Calcium Carbonate, the pigments are then revealed and the intense colour becomes visible.

The INTONACHINO STORICO is mainly made out of crystals of Calcium Carbonate, so being it is sensitive towards external factors like acid rain.

Inevitable, numerous reactions will gradually weaken and discolour INTONACHINO STORICO.

In case this is not permitted or it is desirable to avoid this, apply of the hardened and cured INTONACHINO the repellent product WP 55, repeat this treatment every 4-5 years to ensure complete protection.

Safety indications Read carefully the instructions on the packaging or read the Material Safety Datasheet related to the product before applying.

The above information is based on our best experiences and lab results and on results of the application of the product in various fields. Tecnochem Italiana is not responsible for negative performances due to not proper use of the product or for defects due to elements not connected with the quality of the product included wrong storage. Technical characteristic in this technical data sheet are up-to-dated periodically. Revision date of this technical data sheet is indicated below. Changes of this data sheet can be found in our web-site www.tecnochem.it where you can find the same technical data sheet updated in real time.