

Data Sheet

Stuc Pierre

Stuc Pierre is a complete process being used to emulate the cut limestone, for interior or exterior use, especially in neo-classical architecture, including soffits, based on special ready-mixed mortars according to the support and the technic (refer to corresponding technical infos).
Thoses mixes are manufactured on measure according the exact stone to match with.

Definition

Stuc Pierre is a process to carry out imitations of cut stone walls and ornementals with false joints, filled in white or left hollow. Stuc Pierre is particularly suitable in neo-classical architecture.

More specifically, *Stuc Pierre* is a “exterior” gypsum and lime plaster coating product, traditionally made with high temperature gypsum-plaster and lime. It includes mineral pigments and limestone aggregates to obtain a perfect color and texture match with the desired stone.

Field of application

Stuc Pierre process can be used in restoration or new projects, in interior as in exterior.
This process is suitable for flat works (walls, ceilings, ...) as well as for ornamental elements and soffits, on any support, according the used base plaster of us.

- on masonry (terra cotta, bricks, blocks, ...), hempcrete, straw bale : the mix is based on *Enduit de Montmorency* or *Heritage Juss*
- on wire-mesh : the mix is based on *Enduit de Montmorency* or *Heritage Juss*
- on gypsum board : the mix is based on *Fond de Stuc*
- to bench run pieces on site (cornices, ...) : the mix is based on *Tirex* version of *Enduit de Montmorency* or *Heritage Juss*
- to mold soffits : the mix is based on *Moulex*

Please note that Stuc Pierre process is not intended for the repair works of limestone.

Advantages

Stuc Pierre process makes it possible to obtain a perfect – or more precisely ideal - cut stone on any traditional support, in a simple and traditional way, including softness of light catching and the deepness of the texture of real limestone.

Our strong technical support makes your training and learning of *Stuc Pierre* process rapid and sure.



The implementation is easy, generally in one layer only . The absence of shrinkage at the time of the setting of our special mixes makes its implementation very sure, even when a strong thickness is needed.

The different mixes of the *Stuc Pierre* process allow to realise easily and cheaply the most complex projects (traditionnal supports, wire-mesh structures, running or molding, large surfaces and ornamentals).

For example, the scoring of the joints is very easy and enables one to obtain joints very neatly, thanks to our specifically design tools (*berthelet* and *chemin de fer*).

And their presence also allow to make partial repairs that are very aesthetic.

As well, the sanding for the finishing can be done again at any time, even after several years in order to refresh the stuc. It is thus, of a very easy maintenance, against stain as well as against graffiti.

Aspects and Range

Stuc Pierre mixes exist in different granulometry according to the stone to imitate and the character of each project.

In the same way, we create any tint, custom-made mixes : the exact colored/textured mix is delivered ready-to-use on your job site. In like manner, sand-stone and shell-stone can be counter-typed.

Precautions of use and caution

See the mix bases datasheets.

Preliminary works

See the mix bases datasheets.

Implementation

The implementation of the *Stuc Pierre* Process must comply with our datasheets and technical aids.

Because of the presence of lime in the mixes, it is imperative to wear gloves.

Stuc Pierre mixes should not be applied below 5°C/ 41F, nor on cold support or thawing.

It is necessary to ensure its protection (direct action of the sun, rain, etc...) during work and the first week of drying.

Not to apply in very hot weather nor in full sun exposure. The support must be moist in depth.

It is wasted manually using a mixer in a rubber container (some pumpable versions exist).

The minimum thickness are :

in exterior : 25mm or 1 inch.

in interior on masonry : 12 mm or 1/2 inch

in interior on sheet rock : 3-4 mm or 1/8 inch

soffits for exterior : 25 mm or 1 inch

soffits pieces for interior : 12 mm or 1/2 inch

It should be noted that, in the case of joints left hollow (i.e. not refilled in white), the minimum



thickness is calculated starting from the bottom of the joint.
There is no maximum thickness.

Stuc Pierre mixes are spread out and floated (or molded for *Moulex* version)

The finishing is done by cutting or scraping according to the versions and starts as soon as chips detach from the tool, that is to say generally in the afternoon.

Possibly a smoothing can follow (close skin stones) or not (open skin stones).

The joints are dug with the jointing tool of the selected dimension (*chemin de fer*).

It is desirable to await at least 48 hours(hardening time) before this operation to obtain joints perfectly neats.

They are then possibly refilled with a white *Stuc Pierre* mix .

Lastly, after complete drying, the *Stuc Pierre* surface is *poncé* (paper sanded), *sablé* (sand blasted) or *décapé* (scrubed with metal brush).

In all the cases, the coating must be protected from the bad weather until its full carbonation.

Consumption

Generally, from 10 to 15 kg/m² by cm of thickness, according version.

Preservation and conditionning

6 months, away from humidity in a dry and clean storage room (in the original lined paper bags, on pallets with streamers).

In paper bags , doubled PE on pallets with streamers.