

METHOD STATEMENT v6

Concrazzo floor plaster

1. General

1.1 Summary

Concrazzo floor plaster method statement

1.2 Reference standards

International standards according to the project

1.3 Submittals

1.3.1 Product Data : submit manufacturer's technical data sheets, application instructions and MSDS

1.3.2 Samples:
Submit samples representative of finish color, aggregation and texture
On site samples can be asked for finish approval

1.4 Delivery and storage

1.4.1 Delivery

Delivery to be received in pallets weatherized with plastic wrap
Individual bags to be marked with producer name and product reference

1.4.2 Storage

Store for up to 6 months above ground in dry and ventilated space, in original closed bags.
Store material at an ambient temperature (above 5 °C) maintained for a minimum of 48 hours before application

1.5 Project conditions

1.5.1 Environmental requirements

1.5.1.1 Prevent excessively rapid or localized drying out

1.5.1.2 Ventilation to be provided to properly dry plaster during and after application

1.5.2 Working conditions

Wear gloves and protective glasses during the application.

Adapted protections during the finishing (*polissage* or *décapage*) according to tools instructions.

2 Products

2.1 *Concraazo* floor plaster

2.1.1 Manufacturer

Plâtres Vieujot / Platre.com

2.1.2 Description

Concraazo is pre-mixed cement based plaster: mix of hydraulic binders, aggregates, aggregates, mineral pigment, specific additives, with or without decorative aggregates.

Colored powder according approved final color

No smell, miscible to water

Consumption: from 2 to 2,4 kg/m²/mm of thickness

2.1.3 Composition

2.1.3.1 Binder

Cement

2.1.3.2 Decorative aggregates

If not pre-mixed in the product, the added aggregates should be calcareous, larger than 0,5 mm, clean and free of salt. Ratio of mix less than 1:1 (per weight).

Convenience tests are compulsory for approval.

If pre-mixed on site, no extra-addition on site.

2.1.3.3 Pigments

Pre-mixed in the product. No addition on site. Lime stables mineral pigments.

2.2 Water

Clean, potable, fresh, temperate water.

2.3 No other addition (additives, pigment, performance enhancers) authorized on site.

3 Execution

3.1 Examination

3.1.1 Examine substrates for structural integrity to receive plaster

3.1.2 Examine surfaces for water repellent contaminants or efflorescence

3.1.3 Cement containing surfaces must undergo a 30 day minimum cure prior to application of plaster

3.2 Preparation

3.2.1 Condition of surface

Remove foreign matter, dirt, loose debris

3.2.2 Primer

A primer will be applied on the surface before application to insure a non absorbent surface.

3.2.3 Peripheral spacing

Foam perimeter strips (minimum thickness : 5 mm) or gaps will be installed to separate the vertical structural elements (e.g. walls) from *Concrazzo*.

3.3 Installation

Respect traditional application rules of terrazzo/granito.

Especially the plaster should not be applied at a temperature lower than 5° C, neither in full sun exposure or under the rain, nor on frozen support. By taking account of local conditions (temperature, wind, air humidity, etc ...) or by test application, make sure the *VConcrazzo* stays wet during at least 48 hours after mixing (i.e. no color changing),. Water spraying and/or tarping can help.

3.3.1 Mixing

Use mechanical mixer with clear, potable, fresh, temperate water

Clean mixers and containers between mixes

Mix plaster to workable, homogeneous consistency, strictly respecting instructions of each version (generally from 12 to 15 %). In case of addition of aggregates on site, adapt the water ration accordingly (in particular taking account on their porosity). Convenience test are compulsory. Water release after pouring should be negligible.

Flattening will be made with trowel.

An adapted mixing machine can be used

3.3.2 Application

Proceed by complete panels of less than 24 m² (max dimension : 8 meters ; max length-width ratio : 3).

Stop bead will be preferably in alumina or brass (L-shaped will be preferred to T-shaped ones)

Apply in one coat at a minimum thickness of 15 mm (and more than the size of the biggest aggregates).

No traffic before 12 hours. Be cautious (pedetrian traffic only) before 48 hours.

3.3.3 Finishes

Localization of the different finishes according project prescription

3.3.3.1 *Décapé* finish

The *decapage* - or finish *décapé* - gives a specific patina.

Décapé is obtained by brushing the surface with metal brush (common parameters are electric polisher working at 500 tr/mn, using iron brush, after 24 hours).

This *decapage* gives a different aspect according the parameters of finishing (speed of rotation, type and diameter of brush, etc ... and, even more important, time from application).

Those parameters are determined through convenience tests and must be

respected through out the whole project to insure the desired result. Note that this type of finishing implies a certain heterogeneity of the overall aspect.

3.3.3.2 *Poli* finish

The *polissage* - or finish *poli* - gives a smoothed surface, optically as to the touch.

It's done dry or wet with specific devices, adapted to the hardness of the product and of the aggregates, as for traditional terrazzo/granito. Only very high quality tools will be able to insure an efficient and acceptable result. We highly recommend preliminary tests.

A hole-filling step is generally required, before final polishing.

3.3.4 Protective treatment

A hydrophobic and anti-wearing treatment shall be applied (generally once *Concrazzo* is completely dry).

Follow treatment manufacturer's MSDS and application instructions.

Of course, treatment is to be chosen compatible with hydraulic binders based products.

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