

Method Statement

Premix Plaster S

Sprayable Cementitious premixed plastering / rendering material.

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Section A: General Considerations

Tools and Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement.

1. Silo Conveying & Mixing System The PFT SILOJET conveying system transported the material to each floor, up to 75 m length from the SILO Then the PFT G 4 mixing pump up to 14 m length make the only time you see the product is when it comes out of the mixer in wet form, Silo/mixer/pump function as single unit making for an efficient delivery system and cost effectively brings Premixed Plaster to its point of use.
2. Silo Storey Container The PFT Silo Storey Container is a conveying system transported the material to each floor, up to 75 m length from the SILO Then the PFT mixing machine up make The only time you see the product is when it comes out of the mixer in wet form Silo/mixer/pump function as single unit making for an efficient delivery system and cost effectively brings Premixed plaster to their point of use.
3. Container for Mixing (Manual mixing).
4. Trowel.
5. Wooden float.
6. Plastering Hawk.
7. Straight and Feather Edges.

High Temperature Working

In case the temperatures above 35C, the following guidelines should be adopted as a good working practice:

- I. Store unmixed materials in a cool environment, avoid exposure to direct sunlight.
- II. It is very important to keep the equipment in a cool condition.
- III. Avoid application during the hottest time of the day, arrange temporary shading if necessary.
- IV. Provide sufficient material and laborers to ensure a continuous application process.

Application - Points of Note

SAVETO operates a policy to encourage the application of the products which can be done by approved applicators. This ensures that repairs are completed satisfactorily so that the long-term performance of the materials is assured. For contractors who wish to apply the materials by themselves.

SAVETO is also able to offer technical assistance and training, either on-site or at its training center in the Kingdom of Saudi Arabia.

Section B: Application Instructions

1.0 Surface Preparation

- 1.1 The surface which is going to be plastered should be in level (plane or curve), no large deviation from the reference level or the orientation of the wall, the acceptance of the deviation judged by the concerned engineer comparing with the plaster layer thickness, the aim of this point is to assure that the plaster layers will be applied in a uniform thicknesses so that different zones of a selected applied area will achieve the setting properties uniformly.
- 1.2 The substrate should be sound, clean, and free from loose material, grease, laitance, dirt, curing compound, or any other substance that might impair the quality of bond with the substrate.
- 1.3 The surface should be rough enough to form a mechanical key receiving the Premix Plaster S.
- 1.4 The surface absorption ability should be neutralized; this can be achieved by wetting the surfaces with sufficient clean water.
- 1.5 The cracks in the substrate should be treated before plastering or rendering, using one of SAVETO repair products.
- 1.6 When repairing the cracks, it is advisable to wait some time before plastering to ensure that the cracks were healed, and the substrate water suction criteria neutralized.

2.0 Application using Plaster Machine

- 2.1 Material should be stored in a dry neat place.
- 2.2 Adjusting the mixing parameters on the machine mainly mixing water flow rate, water flow rate depends on material and on the rubber pump used.
- 2.3 Start the machine before connecting the spraying hose and check the mixed material out from the rubber pump, until reaching the desired consistency and cohesion, then clean the outlet point and connect the spraying hose.
- 2.4 Keep enough quantity of dry plaster in the machine intake tank, so that a better uniform feeding to mixing chamber will be led to uniform consistent mixing.
- 2.5 The machine position is important, the best performance when the machine and the working area are in the same level or from up to down; for example, three stories building a. Ground level will be better to plaster it from the ground level, or from first level b. On the first level it can be plastered while the machine is on the ground level, but it is better to transfer the machine to the first level or to the level above.
- 2.6 We recommend the use of D63 Rotor & Stator when feeding the spray machine from a silo with a hose length greater than 25m.
- 2.7 A D8 Rotor & Stator can be used if the spray machine is fed manually by bags.
- 2.8 The plastered wall should be cured intensively using low pressure potable clean water, 2 to 3 times a day for 3 days the period can be extended depending on the weather conditions.

Notes:

1. For Concrete walls apply Spatter Dash SB for the substrate, while for concrete block walls you can apply the Premix Plaster S/SF without using Spatter Dash.
2. Spatter Dash should be rough with a thickness range 4-6mm cured using water twice a day for three days, before application check the strength of Spatter Dash.

3.0 Application

- 3.1 Premix Plaster S can be applied in single or multiple layers on rough or smooth surfaces using spray machine at thickness of 10 – 25mm per layer. Apply spatter dash coat on smooth surfaces.
- 3.2 Rod or level to uniform thickness of 10 – 25mm. When the plaster starts to set, follow smoothing the material to a desired appearance.
- 3.3 For multiple layers follow the practice in ASTM C926, 10 – 15mm/layer with a rough finish, with curing for two days/layer prior application the second one, the final layer to be finished as desired.
- 3.4 After the surface appears stiff but still moist, follow the smoothing material to achieve a desired appearance.

Section C: Approval and Variations

This method statement is offered by SAVETO as a 'standard proposal' for the application of Premix Plaster S. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to SAVETO for approval prior to the commencement of any work.

SAVETO will not accept responsibility or liability for variations to the above method statement under any other condition.