# SMET One Coat Projection Plaster HC - Application Guide

## General Information

SMET One Coat Projection Plaster HC is a factory-produced hard coat One Coat Gypsum Plaster designed for machine application produced to EN 13279-1. It is manufactured from a controlled blend of selected gypsum and other components to give a high quality, high strength plastering product that is suitable for use in internal plastering. The unique properties of this render make it suitable for application on low, medium and high-density blockwork substrates.

## Preparation

SMET One Coat Projection Plaster HC should only be applied to mature stable surfaces. A minimum of one month should be allowed following completion of the wall construction before plaster application commences. In slow drying situations, a longer interval should be allowed. All substrates must be clean, sound and dust free as the plaster relies on a combination of suction and surface texture to achieve bond. The recommendations set out in EN 13914- 1:2005 and BS 5262:1991 should be followed. It is essential that all steps are taken to ensure that a satisfactory bond is achieved between the render and the substrate.

## Application

During application, the temperature must be between 5 - 35°C. Bead out the application area with stainless steel, aluminium or UPVC beading, which also serves as a reference for the thickness applied. Beads need to be carefully bedded in SMET One Coat Projection Plaster HC. Always maintain a wet edge when working in sections.

## Rule To Line

Use an aluminium straight-edge to rule the plaster flat and to line. Once flat and to line, leave the ruled plaster for approx. 65 minutes to allow for initial set. The initial setting time depends on type of substrate, suction and ambient temperature.

## Subsequent Rule

After initial setting has commenced, level with a feather edge and align the corners. If required, the surface can be re-worked with a wide spatula.

## Ripping

Open the surface using a spatula to allow air to enter the plaster and assist the drying process by dragging the spatual at a 90º angle to the surface. Leave for another 15 minutes and check by performing a touch test.

## Trowelling

After wetting the plaster surface with a sponge float, create enough fat and smoothen and sponge minor uneveness. After the plaster surface has set lightly, smoothen it with a wide spatula or finishing trowel.

## Final Polishing

When the plaster has set from an off-white to white finish, apply the final hard trowel/polish, in order to achieve a hard smooth finish. It should take between 2.5 and 3 hours to achieve the perfect smooth finish, depending on substrate and ambient temperature on site.

## Practical Advice

We recommend the use of Casuprim HB on concrete and smooth / non-absorbent substrates and Casuprim AS on highly absorbent substrates prior to the application of SMET One Coat Projection Plaster HC. Fibreglass mesh must be embedded into the plaster when applied on critical substrates, in case of changes in substrate material and at stress points around openings. See accompanying datasheet '*TDS SMET One Coat Projection Plaster HC'* for further techical detail.

**Utilising a dehumidifier:**

7 days after the application of plaster, it is possible to speed up the drying process by the introduction of heat and using a dehumidifier with correct capacity for the $m^3$ area of the building. Use several dehumidifiers if required. Keep windows and doors closed to allow the dehumidifier to work efficiently.

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