

CASEA Casuplast 1200 Lightweight Plaster - Application Guide

General Information

CASEA Casuplast 1200 is a factory produced, Lightweight One Coat Gypsum Plaster, designed for machine application produced to DIN EN 13279-1. It is manufactured from a controlled blend of selected lightweight aggregates, gypsum and other components to give a high-quality plastering product which is suitable for internal plastering. The unique properties of this render makes it suitable for application on low, medium and high density substrates.

Preparation

The background should be firm, solid and free from dirt and dust. Smooth concrete surfaces must be prepared with Casuprim HB. The maximum residual moisture of concrete substrates must be $\leq 3\%$ by weight. Extremely absorbent backgrounds should be dampened before application or prepared with Casuprim AS primer. Prior to start of spray application, make sure all beads are placed and bedded into Casuplast 1200.

Application

Apply Casuplast 1200 in overlapping bands at the desired thickness of 10 - 20mm. As low temperatures can delay setting, it is advised that this product should not be applied when local temperatures are below $+5^{\circ}\text{C}$.

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 spatula at a 90° 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 unevenness. 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 CASEA Casuplast 1200. Fibreglass mesh must be embedded into the plaster when applied on critical substrates, plasterboard joints and at stress points around openings. In case of changes in substrate material between the wall and ceiling, reveal connections etc., a separation must be continued with a separation (trowel) cut in the plaster layer. Non-perforated joint tape can be used as a separating strip instead of a separation cut on smooth substrates such as plaster board. Apply self-adhesive tape to the flanking components and apply plaster over. Cut off the protruding strips after setting.

To assist the drying process, allow plenty of ventilation (cross-ventilation) during spray application.

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.

See accompanying datasheet 'TDS CASEA Casuplast 1200' for further technical detail.

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