

# Relief Plaster Overview



## Overview

Surfaceform Relief plaster is a three dimensional, surface finish, manufactured from high strength quality gypsum. Combining traditional craftsmanship with latest design and manufacturing techniques to provide luxurious designs suitable for interior surfaces. Curved areas are possible for most of our designs at an extra cost.

## Recommended Use

For high quality decoration on commercial and domestic buildings. This is suitable for internal use only.

## Ingredients

Mineral based, non-combustible and nontoxic. Manufactured from high strength quality gypsum.

## Physical Characteristics

The panels are very hard and dense, and created as per project requirements. Relief is finished in the natural gypsum state and ready for decorating.

## Finish

The natural gypsum is white in colour. The surface can be finished to required taste. It is recommended that the surface is finished in a matt or honed paint.

Lighting is very important and should be carefully considered to ensure it complements each of the designs.

## Installation

The panels are attached to the substrate (or metallic sub frame) with adhesive and mechanical fixing. Curved areas are possible for most of our designs at an extra cost. Site templates will be required. Areas with great temperature variations are not suitable. Areas greater than 35msq or 9M in length will need an expansion joint designed into the finish. Larger walls are prone to small hairline cracks appearing on the surface due to substrate movements.

## Programme

Relief is installed on site as late in the build as possible and may need to be protected during the completion of the project. Drying times will vary with site conditions. Lead time 4-6 weeks from design approval.



## Fire

The Surfaceform Relief product is non-combustible providing no contribution to fire in accordance with EN 13501-1.

## Skin Absorption

Skin protection is recommended.

## Eye Absorption

Eye protection must be worn when cutting or sanding.

## Inhalation

Dust masks are recommended if cutting or sanding.

## Ingestion

Products are not suitable for human consumption.

## Packaging

Packed in crates.

## Disposal

Products must be disposed of according to local gypsum regulations.

## Storage

Protect from frost storing/installing at temperatures between 10°C and 30°C. Store uninstalled panels in a vertical or horizontal position. Avoid placing uninstalled panels at an angle against a wall as they may warp.

## Drying Time

It recommended to allow the adhesive to dry before the jointing agent is applied. The jointing agent should also be allowed to dry fully before any paint finishes are applied. Drying times will vary with site conditions.

## Thickness

As per design.

## Substrate Guidelines

Substrate is critical to achieve a good finish and should allow for the product to be well aligned when fixed. It is important that a solid flat surface with no bumps or hollows is provided for fitting. Any internal or external corners must be plumb to allow for a straight alignment of the panels and to achieve a true and straight corner.

We recommend a MF substrate is created with uprights at 300mm centers. Walls need to be constructed plum and straight with plenty of horizontal supports. The supports need to be constructed to support all 4 sides of the boards. 12mm plywood is to be attached to the MF frame by screws. Foil backed 12.5mm Plasterboard (foil towards the ply) must be then fixed to the ply using screws. Joints should be staggered between the plywood and plasterboard. Foil backed board is required as this reduces the chances of the moisture in the adhesive seeping into the ply causing it to swell, which may result in cracking of joints. Alternatively the ply can be sealed 24 hours before application of standard plasterboard.

The aim is to achieve a very well constructed solid straight and plumb wall with no bumps, ridges between sheets or structure movements. Tolerances should be no more than +/- 1.5mm in 1000mm.

Please check with the MF supplier that it can support the weight of the selected Surfaceform Relief design – substrate requirements will vary depending on designs and scale of the project. If the substrate is not allowing for typical installation, the Surfaceform Relief products may be fixed on a metallic sub frame with plaster bandages.

Please Check substrate confirmation with Surfaceform prior to building as certain designs may affect the requirements.

*This document was created as a general guide for Surfaceform products and to help with specifications. This is a general overview and offers no guarantee for any problems that may arise. Surfaceform or its employees will not be responsible or liable for any claim or action taken against them in relation to advice offered by this document.*