

surfaceform

Surfaceform Relief plaster data sheet

Description

Surfaceform Relief is a range of high quality, artistic relief wall seamless surface finishes intended for internal use only, in commercial or domestic buildings. The product is supplied in pre-cast panels, manufactured from the highest quality gypsum. These panels are then attached to the substrate with the use of screws and adhesive; the joints are then filled and sanded resulting in a seamless relief wall surface. The surface can then be painted to the customer's desired finish. Surfaceform Relief panels have been developed using the latest design and manufacturing techniques to provide a high-end finish that is expected from our customers. Bespoke designs and hands carved designs are also available.

Ingredients

Surfaceform Relief panels are very hard and dense, mineral based, non-combustible and nontoxic, with a smooth surface finish. Manufactured from 100% natural materials using the finest quality gypsum.

Physical characteristics

The product is supplied finished to its natural gypsum state and ready for decorating by Surfaceform or the client.

Finish

The natural gypsum is white in colour. The surface can be finished by the customer to their required taste. It is recommended that the relief surface is finished in a matt paint. Lighting is very important and should be carefully considered to ensure it complements each of the designs.

Supplied product dimensions

Surfaceform relief comes in panels, dimensions vary depending on design. Dimensions will be approx 900mm x 600mm with a thickness of between 15mm and 25mm unless otherwise stated. Panel weight depends on the design but will be between 9-15kg. An additional 3-5mm depth should be allowed for adhesive

Fire, Smoke & Explosive hazards

The Surfaceform Relief product is non-combustible and rated as Class A1 providing no contribution to fire in accordance with EN 13501-1.

Packaging

Surfaceform Relief is Packaged and distributed vertically. This will reduced the risk of the plaster breaking or cracking during transit.

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Storage

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

Substrate Substrate is critical to achieve a good finish and should allow for the product to be screwed to it. 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 non load bearing 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.

Installation:

Surfaceform relief is installed on site by our team. The panels are attached to the substrate with adhesive and assisted by means of mechanical fixing in the form of screws. Internal and external corners are possible on most designs but will increase installation costs. Not all designs are suitable for fitting around an entire room as the pattern may not pick up.

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.

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Drying Time

Following insulation it is 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. This will vary depending on the site conditions.

Disposal

Plaster must be disposed of in according to your local gypsum regulations.

This document was created as a general guide for using Surfaceform to complete projects 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.

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