

**Concrete Polished Plaster** - Suitable for application to interior walls, columns and ceilings

<b>Product Texture</b> *Concrete finishes : Polished, Semi polished, Honed, Weathered, Matt, Pitted, Raked, Floated	Please specify texture below:
<b>Product Colour Reference</b> *Colour : Endless variety of colours and options available, consult with Surfaceform for confirmation	
<b>Optional Reinforcing System</b> *Reinforcing System: recommend the use of our reinforcing system to reduce the risk of cracks appearing on the surface. The system will not stop substrate cracks.	Included <input type="checkbox"/> Excluded <input type="checkbox"/>
<b>Manufacturer</b>	Surfaceform A19Kilcronagh Business Park, Cookstown, Co. Tyrone BT80 9HJ
<b>Installer</b>	Supplied and installed by Surfaceform
<b>Manufacturer Email</b>	<a href="mailto:info@surfaceform.com">info@surfaceform.com</a>
<b>Manufacturer Tel</b>	0208 816 8160 or 028 86769607
<b>Product Location</b>	
<b>Drawing Numbers</b>	
<b>Thickness</b>	0.75mm -1.25mm.add an extra 1.25mm for optional reinforcing coat
<b>Substrate</b>	Skimmed or Dry-lined plasterboard. Please see substrate guideline documents for detailed information as below:
<b>Lead Time</b>	4-6 weeks from order to allow for batching and batch sample approval
<b>Application Process</b>	Prime surface. Optional: Install Reinforcing system. Apply base coat. Apply 3no concrete. Apply wax/sealer as per approved sample. Temperature for installation between 10 - 30 °C
<b>Optional Imprinted detail</b>	A sized EPS or PDF is provided to Surfaceform of the finalised design.
<b>Programme</b>	Finish is applied on site as late in the build as possible and may need to be protected during the completion of the project. Programme TBC at Order stage.

<b>Drying Time</b>	Touch dry – 3hours at 20 C Carbonation - 48hours at 20 C Fully dry – 180 days.
<b>Finish</b>	The finish can be polished to give a smooth sheen or left more matt with varied texture like the semi polished and honed finish. More textured finishes like the weathered, floated and raked concrete create more depth within the concrete plaster replicating the raw industrial look
<b>Fire</b>	<b>Reaction to Fire: A2 - s1, d0</b>  Tests carried out in accordance with - <ul style="list-style-type: none"> <li>• <b>BS EN 13501-1:2018</b></li> </ul> Fire: Flame Spread Index (FSI) - 0. Smoke: Smoke Development Index (SDI) - 10 Tests carried out in the USA in accordance with ASTM E 84-16.

### Substrate

Please see next page for substrate guidelines.

### Substrate Construction Guidelines

#### ***Metal Studs***

Metal stud walls are to be constructed with uprights at 300mm centers. Walls need to be constructed plum and straight with plenty of horizontal supports. Support all 4 sides of the board sheet. Board must be fixed in two layers using screws at 300mm fixing centers (minimum centers). Joints should be staggered between the two layers of board. The aim is to achieve a very well supported solid wall with no bumps, ridges between sheets or structure movements.

This information must be used in conjunction with the

MF manufactures guidelines.

#### ***Timber Studs***

Timber stud walls need to be extra well-constructed using only good quality timbers, kiln dried and well-seasoned. We recommend uprights are at no less than 300mm centers with plenty of extra horizontal supports. Support all 4 sides of the plasterboard sheet.

We recommend that in curved areas walls are sheeted with high quality plywood to support the plasterboard.

Timber structures need to be kept dry and consideration of moisture content within the building always considered during construction. If a building is very cold or has high moisture content the stud wall can take a long time to fully dry out. Walls that are not fully dry can shrink when drying thus resulting in movement or cracks.

Plasterboard must be fixed in two layers with suitable screws at 300mm fixing centers (minimum centers). Joints should be staggered between the two layers of board.

The aim is to achieve a very well supported solid wall with no bumps, ridges between

sheets, or structure movement. This information must be used in conjunction with the MF manufactures guidelines.

### Substrate Preparation

#### ***Dry-Lined Surfaces***

The finishes can be applied to dry-lined surfaces provided the wall is straight, plumb and solid. Joints between sheets need to be fully filled, taped with a good quality jointing compound and suitable jointing tape. All joints need to be flush and finely sanded. Angle beads need to be fitted to all external corners and openings. Expansion beads need to be fitted where relevant. Beads need to be feathered back from using a good quality jointing compound and sanded.

#### ***Skimmed Plasterboard***

This is suitable for our finishes provided the wall has been well constructed as detailed above; plasterboard joints are filled and taped. The walls need to be well skimmed with no bumps or ridges. Walls need to be straight and plumb. Good structures that are well plastered are essential for decorative finishes.

#### ***Masonry Substrates***

Internal Most rendered internal walls can have a decorative finish applied. All blockwork/concrete require plaster coats prior to our finish. Two coats of sand and cement with a fine float finish or most traditional basecoat plasters finished with a skim coat are normally sufficient. All finishes need to be completed to a high standard being straight and plumb with no trowel or float marks. These need to be fully dry as per the plaster manufactures instructions.

New builds are prone to settlement cracks and we recommend our anti-crack system is used to reduce the risk of settlement cracks appearing through the plaster surface.

**Decorated Walls & Ceilings**

Do not use over wall paper. Remove all traces of wallpaper and paste residue. Any loose material needs to be removed, backgrounds filled and sanded. Repaired substrates need to be fully dry prior to application of our plaster finishes. Walls need to be straight with no bumps. Pre-painted walls can be coated over if the paint is well attached. Sand walls prior to all applications. Fill or replaster walls if required. Fillers and plasters need to be fully dry before application of our products. Ideally, walls and ceilings need to be structurally sound with no ridges or bumps.

**MDF Substrates**

This is a good substrate for all our plaster finishes and an easy way to create feature panels off-site. We recommend it is primed on all sides with a good quality wood primer. This is to reduce the risk of soaking in moisture and swelling. MDF should not be subjected to any moisture before or after our finishes have been applied. We do encourage that sheet sizes are considered and considered part of the design. MDF will always crack in the joint where sheets meet therefore a space between each sheet is required.

**Beads**

Normal rendering and expansion beads need to be fitted to all corners and openings. These should be well fitted prior to plastering and finished flush the same as for decorating with normal paints.

**Dust**

All dust and dirt needs to be removed prior to our applications.

**Anticrack**

We recommended that our anti-crack systems are used on top of all substrates as it reduces the risk of cracks appearing on the surface

*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*