

Product Summary

Elite Sterling Hygienic Cladding is an extruded PVC flat sheet. The sheet is characterised by a smooth, easy clean and durable surface. It transforms normal wall finishes into an even, cleanable surface which is impervious to the ingress of dirt.

Silver ions are incorporated into the bulk of the PVC mixture before the extrusion process and improve the existing antimicrobial activity of rigid PVC sheet. A unique surface treatment ensures the essential ingredient remains 100% active for the lifetime of the product.

Independent tests confirm that Elite Sterling products effectively eliminate harmful microorganisms including MRSA, E. coli and Salmonella within 24 hours. The antibacterial active ingredient provides dual biostatic and biocidal action and is 99.9% effective in actively killing bacteria on the sheet.

Elite Sterling has been proven to reduce SARS-CoV-2 (the virus which causes covid-19) on surfaces. Testing to ISO 21702:2019 has shown a reduction of more than 96% after 6 hours when compared to a control, and more than 98.5% after 24 hours.

Suitable Substrates

Good quality fairfaced brick or blockwork. Well aligned joints bagged up flush. Straight to within 3mm over a 2m straight edge.

Sand & cement rendering 1:3 to steel trowel finish.

12.5mm thick plasterboard.

Minimum 9mm W.B.P.

Minimum 9mm MDF.

Ceramic tiles which are clean and securely bonded to substrate.

Certain sound painted surfaces (an adhesive test is advisable to ascertain compatibility).

Plastered surfaces - finished with steel trowel. (pink lightweight plasters generally not suitable).

Porous surfaces to be thoroughly sealed with diluted PVA applied to the surface 12 hours prior to the installation.

Installation Temperature

A minimum ambient temperature of 14°C/57°F is required for installation.

Storage and Conditioning (on site)

Sheets should be stored flat, fully supported and left for 24 hours to attain the ambient room temperature prior to installation (min 14°C).

Substrate Preparation (by others)

Wall substrate must be dry and free from dirt, dust and grease. Remove any wallpaper, loose paint and/or other foreign matter that might impair adhesion. Remove high spots and fill depressions in substrate surface.

Panels

Supplier: Beplás Hygienic Walls and Ceilings Ltd, Helix Business Park, New Bridge Road, Ellesmere Port, Wirral CH65 4LR

Standard sheet sizes:

Width: Up to 1220 mm
Length: 2440 – 3050mm
Thickness: 2.5mm

*Non-standard sizes are available subject to minimum order quantities.

Sheet Weight: 1.42 kg/m²@1mm

U-value: 5.7 W/m²K@1mm

Fire Rating

Certified to BS476 Part 7 Class 1. Certified to BS476 Part 6 Class 0 when attached to a non-combustible substrate. EN13501.

Testing

Elite Sterling has been tested to JIS Z 2801 (ISO 22196) and has been shown to exceed the requirements of this standard. In the bacterial challenges it caused a reduction of greater than 99.99% in the applied bacterium.

We have seen a reduction in SARS-CoV-2 (the virus which causes Covid-19) on our Elite Sterling Antimicrobial Wall and Ceiling Cladding. When testing ISO 21702:2019 we have seen a reduction of more than 96% after 6 hours when compared to a control and more than 98.5% after 24 hours.

Method of Fixing

Use Beplás adhesive (Ref.Pro 6.5 or 8Kg) or GPPA600 or Multibead.

Ensure that a 3-4mm expansion gap is left at all joints, corners and edges.

Joint Detail

All panel joints should be covered with high impact PVC division bars or have hot welded joints

Reference:	Size:
TDB2.4 (two-part flex edge)	2440 x 2.5mm
TDB3.0 (two-part flex edge)	3050 x 2.5mm
DB32.4 (one-part rigid edge)	2440 x 3.0mm
DB33.0 (one-part rigid edge)	3050 x 3.0mm
DB3W2.4 (one-part rigid edge)	2440 x 3.0mm
DB3W3.0 (one-part rigid edge)	3050 x 3.0mm

Edge Detail

Exposed panel edges should be closed with high impact PVC capping sections:

Reference:	Size:
TCS32.4 (rigid edge)	2440 x 3.0mm
TCS33.0 (rigid edge)	3050 x 3.0mm

Corner Detail

Internal corners should be covered with high impact PVC angles or have site thermoformed corners

Reference:	Size:
IA252.4	2440 x 25 x 25mm
IA253.0	3050 x 25 x 25mm
IA382.4	2440 x 38 x 38mm
IA383.0	3050 x 38 x 38mm
IAL502.4	2440 x 50 x 50mm
IAL503.0	3050 x 50 x 50mm

or alternatively use high impact PVC inside corners:

Reference:	Size:
IC32.4	2440mm
IC33.0	3050mm

External corners should be covered with high impact PVC angles or have site thermoformed corners

Reference:	Size:
OA242.4	2440 x 25 x 25mm
OA243.0	3050 x 25 x 25mm
OA382.4	2440 x 38 x 38mm
OA383.0	3050 x 38 x 38mm
OAL502.4	2440 x 50 x 50mm
OAL503.0	3050 x 50 x 50mm

or alternatively use high impact PVC outside corners:

Reference:	Size:
OC32.4	2440mm
OC33.0	3050mm

Abutments

Ask for drawing of the following:

- To resin type flooring. Ask for Beplás detail drawing 5.
- To quarry tile flooring. Ask for Beplás detail drawing 7.
- To vinyl flooring. Ask for Beplás detail drawing 1.
- To shower tray with or without trim.
Ask for Beplás detail drawing 11 or 10 respectively.
- Vertical joint strip and thermoformed corner detail.
Ask for Beplás detail drawing 13.
- Vertical joint strip with internal and external corner trims.
Ask for Beplás detail drawing 17..

Finishing

Apply Beplás Food grade silicone sealant (Ref. PSNW) in mouldings and around all panel edges, fasteners, and fixtures.

Service Preparations

Allow a 3-4mm gap around all holes for Beplás FDA approved silicone sealant (Ref. PSNW).

