

SPECIFICATION SHEET NO:	PSA 39	DESCRIPTION:	POLYCLAD PRO 1.25MM & POLYCLAD PLUS PU 2.00MM WALL/CEILING CLADDING	DATE:	AUG 2023
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ARCHITECTURAL SPECIFICATIONS / BOQ

SPECIFICATION:

Supply and install Polyclad Pro PU/Polyclad Plus PU, wall and ceiling cladding flexible PVC sheeting in 1.25mm/2mm thickness, homogeneous and monolayer in construction and shall be manufactured by calendaring and pressing, to ensure a dense and smooth surface, in respect of flame spread, the cladding shall have been fully tested to EN 13501-1 by an independent test house and in relation to its reaction to fire behaviour is classified Bs2d0* *these results are achieved on plasterboard attached with an acrylic based adhesive, tested to AS/NZS 3837 and achieve a Group classification of 1, tested to ISO 5660 in accordance with NZBC (New Zealand Building Code) the product shall achieve Group Number Classification 1-S and with NCC (National Construction Code) achieve Group Number Classification 1, a Class A result should be achieved when tested to ASTM E84, achieve class A when tested to ASTM F51/68, suitable for clean room use to ISO 14644-1 Class 4, in respect of light fastness, the cladding material shall have been fully tested to ISO 105-BO2 Method 3 as having a pass to ≥ 6

Colour:

Code:

INSTALLATION: (PLEASE NOTE: ALWAYS USE COMPATIBLE PRODUCTS FROM ONE SUPPLIER)

- Prime the areas of plastered wall with a primer, as recommended by the adhesive manufacturer, and allow to dry completely.
- Mark the first vertical line on the wall using a plumb line. Use only pencil for marking the wall and vinyl.
- Cut the Polyclad to size, allowing a small amount for cutting in.
- Apply a recommended contact adhesive 150mm wide at the top edge of the wall, adjacent to the ceiling and corresponding to all pressure points, such as external and internal angles and coved radiuses.
- Prior to placing the vinyl into position, and to give extra support, it will be necessary to apply a recommended contact adhesive to the back of the vinyl, approximately 150mm deep at the top edge, and corresponding to the pressure points, such as external and internal angles and coved radiuses. Allow to become touch dry before applying Polyclad.
- Roll up the vinyl with the face innermost, and with the decoration running either vertically or horizontally, dependent on the size of roll, wall, and application preference.
- Spread a further coat of recommended adhesive to the prepared wall surface.
- When ready, and working to the vertical line on the wall, apply the vinyl to the line, ensuring there are no ripples or run outs.
- Roll the entire area using a flooring grade hand roller, from the centre outwards, to exclude air. A second rolling will be necessary.

External angles

- To enable the wall-cladding to be formed around external corners, it will be necessary to fit and adhere a corner cap profile to all external corners.

SPECIALIST FLOORING & WALL PROTECTION PARTNER

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South Africa

B. Fit and adhere the corner cap profile to all external corners. Use a recommended contact adhesive to secure the corner cap and press firmly.

C. When all the corner cap profile is fixed, apply contact adhesive to the surface and to 150mm either side of the corner edge. Allow to become touch dry before applying Polyclad.

D. Apply contact adhesive to the corresponding area on the back of the Polyclad and allow to go touch dry before installing.

Internal angles

A. To enable the wall cladding to be formed around internal corners, it will be necessary to fit and adhere cove former to all internal corners.

B. Fit and adhere the cove former to internal corners and at the junction of the ceiling and top of the wall. Use a recommended contact adhesive and press firmly. First, fit the mitres in the corners, and at the junction of the ceiling and top of the wall. For ease of use, short lengths of approximately 300mm are recommended.

C. When all corners are completed, fit, and adhere the longer straight lengths, using the same method. When all the cove former is fixed, apply contact adhesive to the face of the cove former and 150mm either side of the corner edge. Allow to become touch dry before applying the Polyclad.

D. Apply contact adhesive to the corresponding area on the back of the Polyclad and allow to go touch dry before installing.

E. All joints should be heat welded on completion, allowing at least 24 hours after fitting for sufficient moisture to dry out of the adhesive. Finally, trim welds when cold to prevent sunken welds.

Note: Do not attempt to take large pieces of wall-cladding around corners. The walls may not be vertical or square and can cause a runoff or possible rucking of the vinyl at the next seam. In these instances, work to 150mm around the corner.

MAINTENANCE-WALL CLADDING:

General advice

- Regular cleaning is more beneficial to the wallcovering and more cost-effective than occasional heavy cleaning
- Always follow the Health & Safety guidance provided and dilute cleaners and detergents in accordance with the manufacturers' instructions
- Do not use strong kitchen detergents on vinyl surfaces
- For recommended products, please contact Polyflor SA on (011) 609 3500

After installation, including welding, is completed, the material should be left for 24 hours before any cleaning is carried out.

Daily Maintenance

- For light soiling wipe the walls with a damp cloth, using a neutral cleanser diluted to the manufacturer's instructions
- Never use an abrasive pad

Routine and Periodic Maintenance

- If heavily soiled, especially with grease, wipe the walls with a damp cloth, using an alkaline cleanser diluted to the manufacturer's instructions
- Afterwards, rinse the walls using clean warm water and a small amount of neutralising agent such as acetic acid

Steam Cleaning

The Polyclad range of wall and ceiling coverings are suitable for steam cleaning on a periodic basis.

Polyclad Pro

WALL CLADDING



White Chalk **4093**

wh 4093



Frosted Grey **4094**

wh 4094



Biscuit Beige **4092**

wh 4092



Blue Shingle **4097**

wh 4097



Grey Steel **4095**

wh 4095



Dusted Blue **4096**

wh 4096















100% RECYCLABLE
25% RECYCLED MATERIAL

wh = wall roll NCS = Natural Colour System LRV = Light Reflectance Value

Polyclad Pro

Tough, durable and low maintenance PVC wall and ceiling cladding, with subtle marbleisation. Welded Polyclad Pro PU creates an impervious, continuous surface which offers no sanctuary to dirt and bacteria and will not shed dust. Developed specifically to meet the advanced requirements of today's medical, science and electronics industries. Polyclad Pro PU is suitable for use in cleanrooms, semi-conductor manufacture, precision machinery manufacture, the pharmaceuticals industry, food processing plants and any area where hygiene is important. It is recommended that Polyclad Pro PU is used in conjunction with the Polyflor range of vinyl floorcoverings.



	General Performance	EN ISO2: 2007 +A1: 2008	Heavy duty wallcoverings
	Total Thickness	EN 428/EN ISO 24346	1.25mm
	Roll Size	EN 426/ISO 24341	1.83m x 30m = 54.9m ²
	Total Weight	EN 430/ISO 23997	1900g/m ²
	Reaction to Fire	EN 135011 AS/NZS 3837 ISO 5660 ASTM E84	Class B-s2-d0 Group 1 NZBC Verification Method C/VM2 Appendix A: Class 1's smoke less than 250m ² /kg NCC Specifications C3.0 and A 2.4: Class 1 smoke less than 250m ² /kg Class A
	Clean rooms	ASTM F5108 ISO 14644-1:1999	Class A - 'non-shedding' Class 4
	VOC Emissions	AghB VOC test	Pass
	Flexibility	EN 435/ISO 24344	Pass
	Resistance to Chemicals	EN 423	Good resistance to dilute acids and alkalis. Chemical resistance charts available on request.
	Light Fastness	ISO 105-B02	(Method 3) 6
Environmentally Preferable Flooring - Polyclad Pro PU 100% recyclable and contains 25% recycled material. Recyclable via the Recofloor scheme. Visit www.polyflor.com/sustainability .			
	Hygiene - All Polyflor commercial sheet vinyl ranges provide a continuous, impervious, and hygienic solution which can be confidently cleaned in accordance with recommended maintenance procedures and approved maintenance products. The implementation of an effective cleaning regime is the most important defence against infection.		
	This product is suitable for steam cleaning on a periodic basis. For information regarding handling and installation, adhesives, maintenance, applications, chemical resistance and product warranty, consult Polyflor Customer Technical Services on +44 (0)161 767 1912, or email tech@polyflor.com . The data presented is correct at the time of printing. For latest information, please visit our website polyflor.com .		

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25% RECYCLED MATERIAL

 Recofloor
The Recycled Flooring Scheme

 nbs
BIM

 ISO 9001

 ISO 14001

 CE

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CE
EN 15102
 **FLOORING**

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Sep 2016 054734

Polyclad Plus

WALL CLADDING



Dove White **2700**
NCS S 0603-Y40R

wp 2700
LRV 71.7



Nimbus Grey **2710**
NCS S 1505-Y50R

wp 0630
LRV 70.2



Frosted Cream **2800**
NCS S 0907-Y10R

wp 3860
LRV 55.7



Spring Fern **2810**
NCS S 1010-G30Y

wp 4420
LRV 62.2



Summer Sky **2830**
NCS S 1510-B10G

wp 4430
LRV 60.6



Polar Ice **2840**
NCS S 0603-Y40R

wp 9520
LRV 73.0

All Polyclad Plus shades feature a subtle marbling effect. This decoration can only be appreciated by viewing a larger sample piece.
wp = wall mid NCS = Natural Colour System LRV = Light Reflectance Value





100% RECYCLABLE
25% RECYCLED MATERIAL

Polyclad Plus

Tough, durable and flexible vinyl wall and ceiling cladding sheet featuring a marbledised decoration. The Polyurethane surface treatment provides benefits in terms of hygiene and ease of maintenance.

Polyclad is designed to be welded to Polyflor floorcoverings, to provide a floor-to-wall surface that provides an excellent barrier to dirt and infection and is ideal for wet and hygiene-critical areas. It is recommended that Polyclad Plus PU is used in conjunction with the Polyflor range of vinyl floorcoverings.



	General Performance	EN 15102: 2007 +A1:2011	Heavy duty wallcoverings
	Total Thickness	EN 428/EN ISO 24346	2mm
	Roll Size	EN 426/ISO 24346	2m x 20m = 40m ²
	Total Weight	EN 430/ISO 23997	3530g/m ²
	Reaction to Fire	EN 135011 AS/NZS 3837 ISO 5660 ASTM E848	Class B-s3-d0 Group 1 NZBC Verification Method C/VM2 Appendix A: Class 1 smoke greater than 250m ² /kg NCC Specifications C3.0 and A 2.4: Class 1 smoke greater than 250m ² /kg Class 1
	Clean rooms	ASTM F51 ISO 14644-1 1999	Class A - 'non-shedding' Class 4
	VOC Emissions	GBCA/NZGBC Green Star IEQ-VOC AgBB VOC test	Compliant Pass
	Flexibility	EN 435	No Crack using 20mm Mandrel
	Resistance to Chemicals	EN 423	Good resistance to dilute acids and alkalis. Chemical resistance charts available on request.
	Light Fastness	ISO 105-B02	(Method 3) 16
	Dimensional Stability	EN 434	<0.4%
Environmentally Preferable Flooring - Polyclad Plus PU is 100% recyclable and contains 25% recycled material. Recyclable via the Recofloor scheme. Visit www.polyflor.com/sustainability			
	Hygiene - All Polyflor commercial sheet vinyl ranges provide a continuous, impervious and hygienic solution which can be confidently cleaned in accordance with recommended maintenance procedures and approved maintenance products. The implementation of an effective cleaning regime is the most important defence against infection.		
	For information regarding handling and installation, adhesives, maintenance, applications, chemical resistance and product warranty, consult Polyflor Customer Technical Services on +44 (0)161 767 1912, or email tech@polyflor.com . The data presented is correct at the time of printing. For latest information, please visit our website polyflor.com .		

