



CONTRACT
WALL PANELS

 PERLA PRO



LOW MAINTENANCE SURFACE

LESS EXPENSIVE THAN TILING

FAST TO INSTALL

FAVoured BY TENANTS

INSTALLED BY JOINERS

NO WET TRADES

FAST TURNAROUND

KEEPS ITS NEW APPEARANCE

PRACTICAL JOINTING SYSTEMS

NO GROUT TO MAINTAIN



CONTRACT WALL PANELS

Low maintenance, fast to install panels for affordable housing

JTC Furniture Group offers over 30 years of experience in the manufacture and supply of kitchen and bathroom furniture to the Social Rented and Affordable Housing Markets, with all products manufactured in our UK manufacturing facilities.

The Perla Pro laminate panel range has been specially selected to offer timeless bathroom decors with an easy to clean laminate surface, an optional plywood core to meet the demands of specifiers and high levels of availability to ensure that contract requirements can be easily met from stock.

Perla panels are now attracting market share from traditional tiles where the advantages of hygiene and fast, practical installation as well as attractive new types of design make them a hit with tenants and providers alike.

The Perla range also includes bathroom furniture which can be an asset in the renovation of a home. Add attractive, modern and practical storage to cover pipework and fittings which is specially designed to be perfect for the affordable housing markets.

Understanding the challenges facing our customers, our flexible production process is designed to offer high quality, fully repairable, value for money products that meet and exceed the aspirations of both the Registered Provider and their Residents.

Real laminate wall panels offer features which makes your investment outlast other panelling materials with a durable, easy to clean melamine surface which unlike PVC will not crack, flex or deteriorate over time.





Travertine P30



Travertine



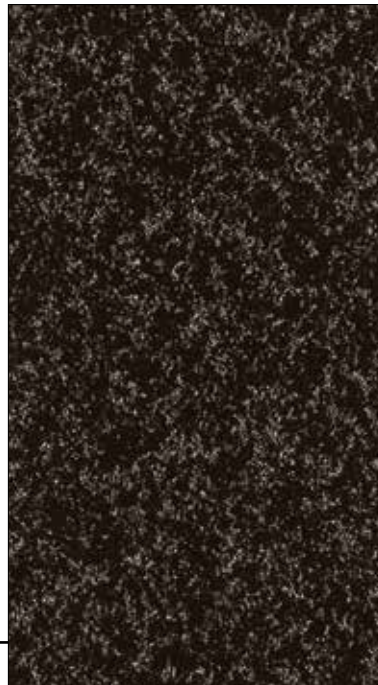
Madison P31



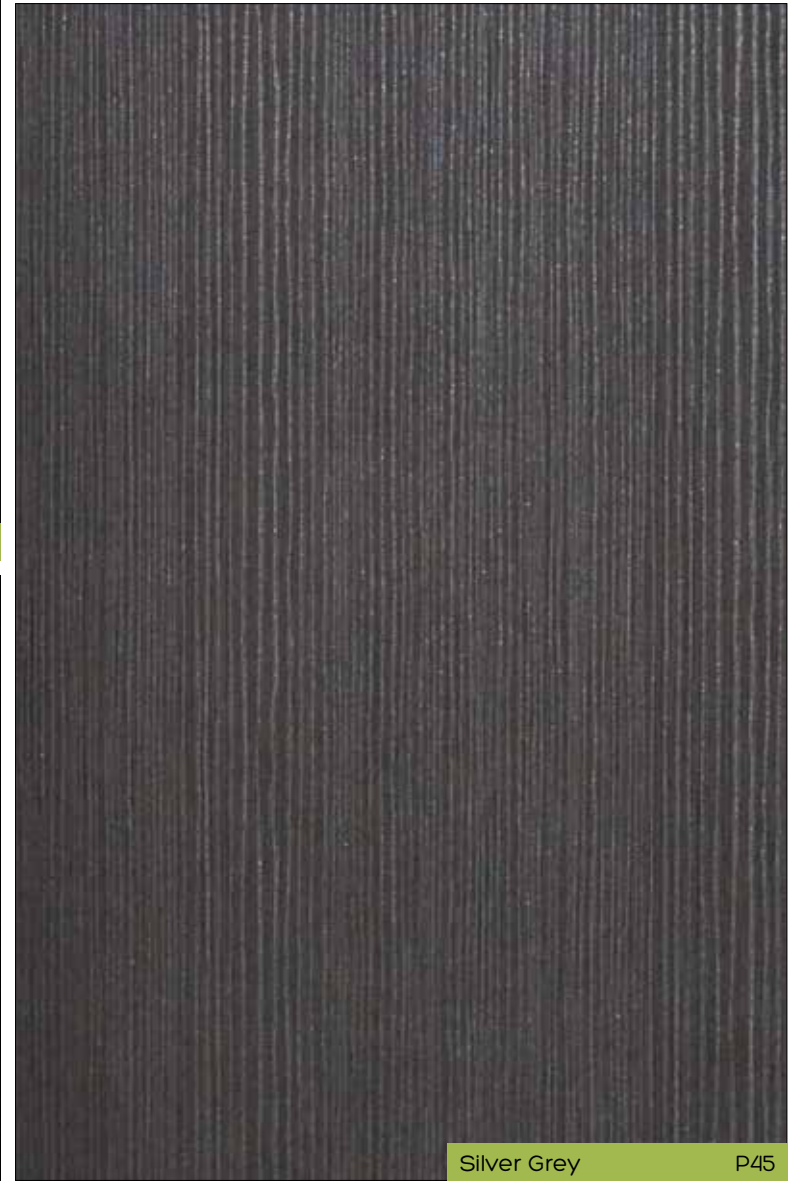
Broadway P32



Metallic White P35



Metallic Black P44



Silver Grey P45



Metallic White



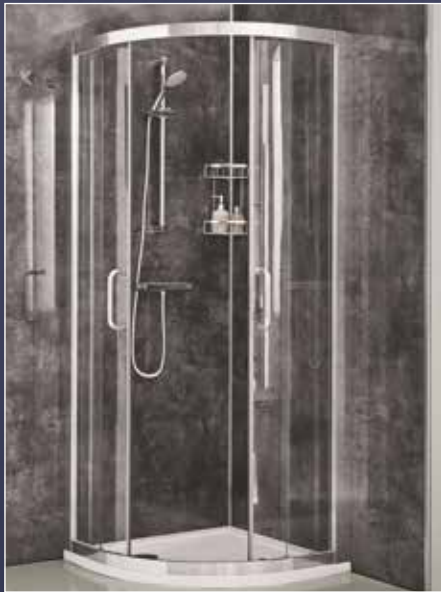
Italian Marble P54



Dark Marble P53



Dark Marble



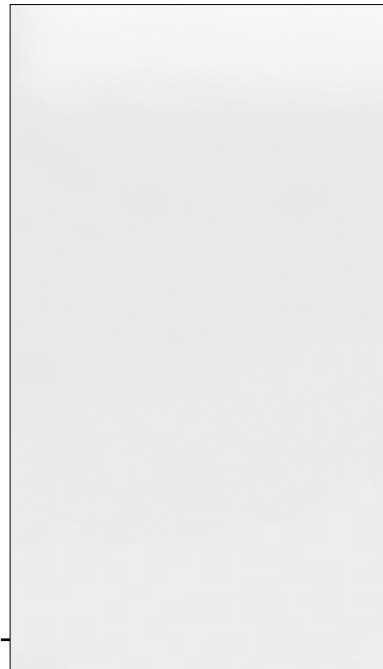
Grey Slate



Grey Slate P28



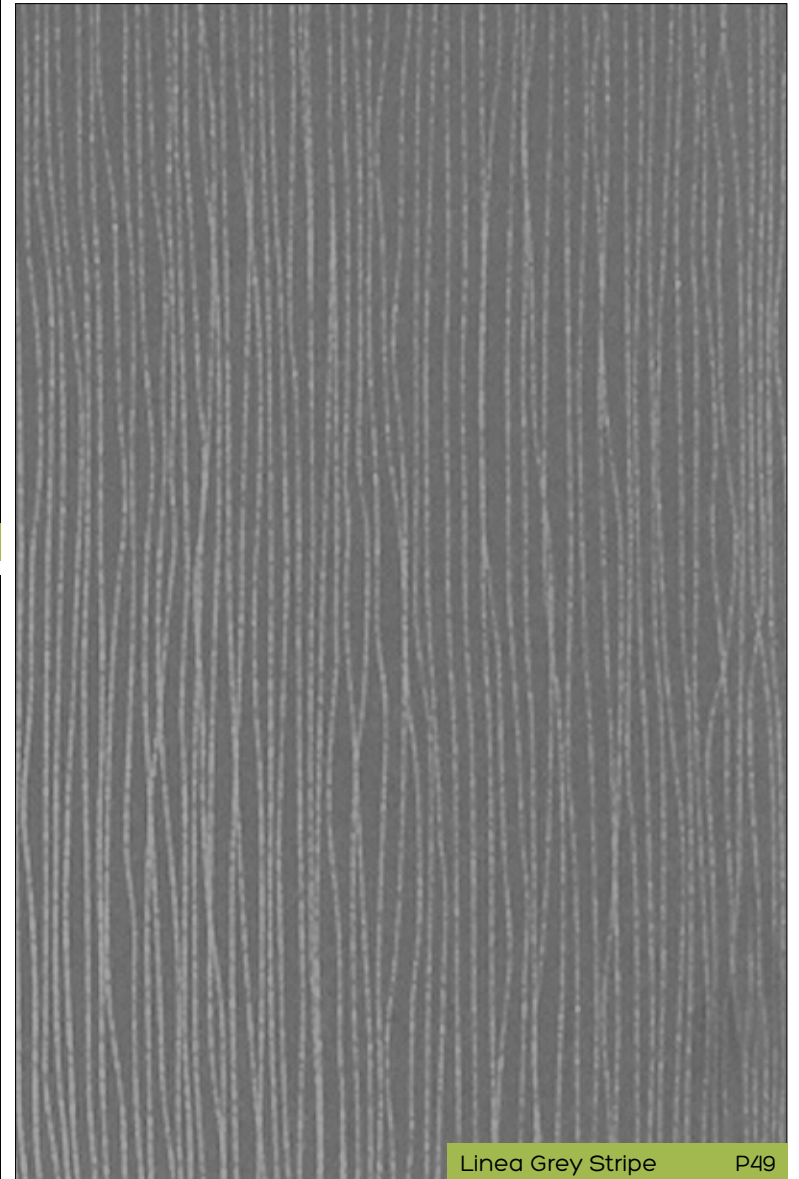
Bronze Slate P29



Element White P26



Glacier P59



Linea Grey Stripe P49

CASE STUDY FAQs

Common Questions Arising From The Case Study On The Use of Perla Wall Panels

Can I install panels over existing tiles and flaking walls?

One of the big advantages with panels is their large format which will cover a multitude of problems and save a fortune in time, money and hassle removing old tiles and finishes.

Ensure that the panels will be fixed onto a secure surface - that is to say - not on old tiles which are loose or old plaster that is breaking up. The wall should also be relatively vertical and true although small steps in the wall - such as those formed by a wall being only partly tiled will be taken up by the thickness of the 'Seal2Wall' adhesive applied to the panel. You will have to allow a longer time for the Seal2Wall to adhere to glossy surfaces like ceramic tiles and be prepared for more 'slip' time until the adhesive bites into the surface.

How are the panels fixed to the wall?

The panels are fixed to the wall using Perla 'Seal2Wall' which is a silicone tested for use with Perla Panels. However some installers have their own preference for adhesives such as 'Pink Grip' or 'No More Nails' which are acceptable substitutes. Be aware that all adhesives are NOT the same and the same is true especially with silicones. Cheap adhesives and silicones are a false economy and in particular some silicones are particularly poor since they can be 'watered down' with other materials meaning that they do not have the same adhesive and protective properties as more reputable brands. Silicones should have a 'high modulus, fungal inhibited' specification. Also be sure to check the product is not out of date and has not been stored in conditions of too high or too low temperature.

Can I use the panels to form a window sill and surround?

Yes, however it does take a high level of skill to get the sizes cut correctly. Use an external corner profile to create the 90 degree angle between the vertical wall and the in-go and make the joint between the sill or top and the vertical sides using a matching silicone.

Should the panels fit from floor to ceiling or should they be placed on top of the shower tray edge?

We recommend that the panels are installed from floor to ceiling before any sanitary ware is installed. This is because this gives much more space to install the panels to make the installation much faster and easier. Also should you have to change your sanitary wear in the future for example if there is a breakage then the panels will remain intact when the tray or bath is removed.

The shower tray or bath is simply positioned against the panels and sealed to the panels using Seal2Wall or for a bath using the supplied brackets. The resulting joint between the shower tray edge or bath edge can be made neat by using the Tray Finishing Trim which slots into the silicone sealing joint to give an easy to clean finished surface which will not go grey and mouldy.

When panels are placed on the top of trays or baths as would be common practice with tiling or when the sanitary ware is not being replaced, then ensure that a 4-5mm gap is maintained between the panel base and the top of the tray or bath so that the silicone can be forced between the panel and the sanitary ware to achieve a lasting seal. Consider using the Foot Finishing Trim for an excellent maintenance free appearance.

What is the best method of keeping my Perla Panels looking like new?

One major advantage of panels over tiles is that they maintain their new appearance throughout their life if correctly maintained. Tile grout looks lifeless and grey after only a short time but laminate panels only require a quick once over with a clean (preferably micro-fibre) cloth with warm water and an abrasion-free liquid cleaner which are designed for showers. If a shower is allowed to become totally grimy then a more abrasive liquid cleaner like 'Cif' will quickly cut through the dirt to the shine. Be sure not to use wire wool or powdered scouring cleaners which will remove the top gloss of the panel which cannot be replaced.

WALL PANEL CASE STUDY

Bathroom Renovations Made Faster and Easier

This is a case study concerning the renovation of a void property with a requirement for a total refurbishment of the bathroom.

The room was unusual in that the bath area included a window within the shower/bath area and another window recess in the room which was also required to be panelled.

The original wall covering was in ceramic tiling which was in a poor condition and all the plumbing and fittings required to be completely renewed.

The key benefits arising from the installation were as follows:

- Panels are easier and faster to fit than tiles
- Reduced installation time and therefore cost
- No need to remove existing wall covering materials
- Reduction in void turnaround times (2 hours v 2 days tiling)
- Hygienic and Stays 'As New' for tenants with no mouldy grout
- Low maintenance product - no re-grouting
- Fast turnaround time for voids - joiner 'dry trade' installation
- Robust and resistant to abuse
- 10 year warranty

"I've asked the lads who fitted this product about what they thought about the installation and the feedback I got was that it was easy to handle and fit with a nice finish and the overall turnover time from start to finish was 1.5 hours to 2 hours." - James Pinkney, Thirteen

"A great job by Matthews and Tannart fitting Perla. This has proven to be a good choice. The site team were worried about fitting but looking at the increase in productivity we should be showing a cost saving over tiling. The real benefit will be at the void period - no grout to deal with just a clean down and polish." - David Badger, Trent & Dove Housing



SYSTEM PROFILES

Square edged panels are joined using a system of aluminium profiles in four finishes

There are six types of profile and trim available; joining strips, internal corners, external corners, end finishing trims plus a trim designed to sit on top of a bath or shower tray edge to allow for easy cleaning and low maintenance. A further trim is available to insert against a bath or shower tray edge when the panels are installed as recommended down to floor level and the tray or bath sits against the panels.



A joining profile is designed to join panels in a line when a wall is required to be clad.



The internal corner profile is used to form a right angled internal corner.



When a panel is required to sit on top of a shower tray or bath edge then the foot profile is the perfect neat and easy way to finish the leading edge.



The end finishing profile is extremely useful in finishing off the edge of a panel or in the transition between a panel and adjoining ceramic tiles.



The external corner profile is used to form a right angled external corner.



This profile is used when the panel is fitted behind the shower tray or bath edge as recommended. This trim finishes off the joint between the panel and the tray or bath concealing the silicone seal making the installation easy to clean and maintain.



Profiles available in chrome, satin, black & white



INTERLOCKING JOINT

A smooth profile-free surface using our tongue and groove system

Often when panels are required to cover a larger area the profile-less joint of our interlocking tongue and groove becomes a required feature.

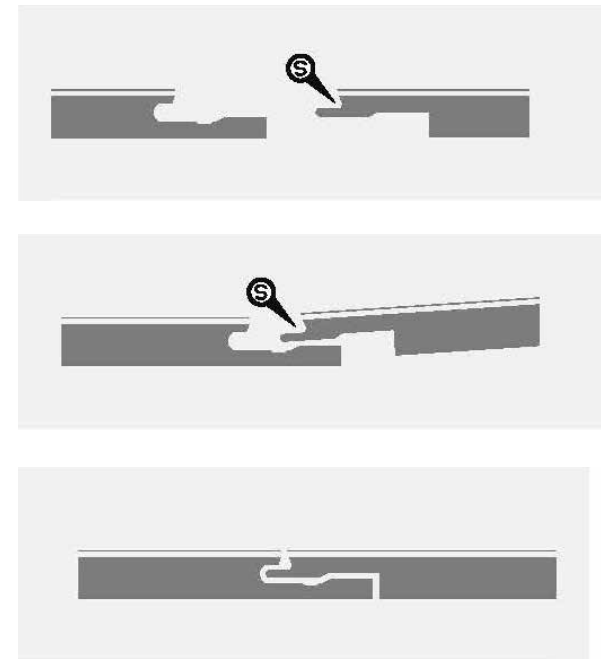
Locking tightly together without any joining strips means that the highly decorative surfaces can be used continuously with only a slight line visible between panels. This is ideal when panelling large areas to give a near seamless appearance next to a bath or large format shower tray.

The panels are glued to the wall using a high grab panel adhesive. The panels interlock on their long edge and must be installed with a bead of silicone along the top of the tongue. Make sure that there is enough silicone to ensure a water-tight seal of the precision engineered joint.

Interlocking panels should be fixed with the grooved edge exposed so that the tongue part can be introduced into the fixed panel. The interlocking tongue should be introduced at an angle of around 30 degrees so that the front edges of the two panels are touching.

Insert the tongue of the next panel into the groove of the fixed panel. Then by pushing the panel backwards it should gently click into place and be held firmly with minimal gap between the two panel faces.

Ensure the tongue is tightly inserted and that there are no distortions caused by loose material or bowed panels before pushing the panel back into its final position. Clean off any excessive silicone before it dries and make a visual inspection to ensure that the joint is correctly aligned.



It is important that the panels are installed to a plane and true wall so that the interlocking tongue and groove can be correctly located and a sound joint made.

PERLA PERFORMANCE

Perla Panels are manufactured using the finest quality materials and profiled by highly trained machinists to ensure extremely tight manufacturing tolerances. Panels are thoroughly inspected throughout the manufacturing process and are quality checked and passed to be in the best possible condition when they leave the factory.



Laminate Surface:

The surface of a Perla Panel is a high pressure laminate which is familiar as a kitchen work surface. Laminate is the perfect hard surface material for a bathroom panel since its smooth high gloss texture resists any germ growth and gives a beautiful easy to clean surface finish which is extremely easy to maintain.

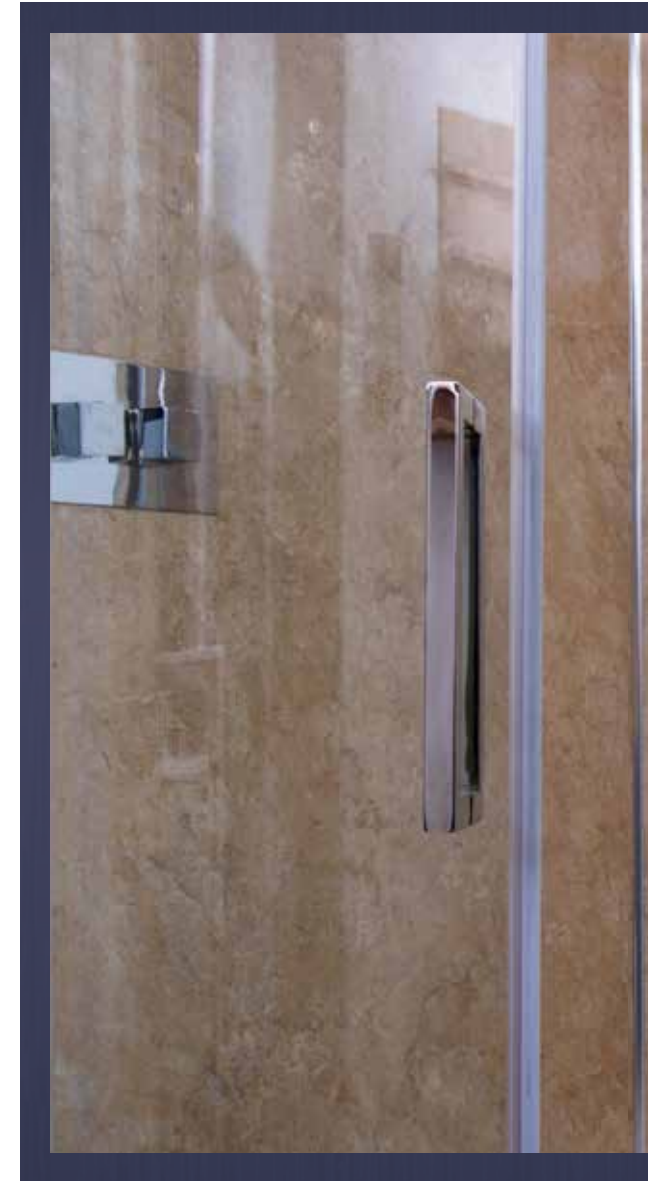
MR MDF Core:

The standard core for Perla is a 9mm moisture resistant MDF which offers a perfectly flat surface for a ripple-free finished product. The moisture resistant MDF core is designed for use in humid conditions in accordance with MDF.H (Option 1) as defined in EN 622-5 so is ideal for applications in bathrooms.

This core is extremely stable and resistant with a high level of consistency and excellent environmental accreditation being sourced in Europe and manufactured largely as a complementary product from the timber industry.

Plywood Core:

Plywood is an optional traditional core material for panels with Perla, when its properties of strength and reliability are preferred. We use a high quality 9mm WBP plywood grade sourced responsibly from Asia. Plywood forms an ideal surface for laminated panels since it is very stable and gives an excellent flat surface with high bond strengths and resistance to moisture. The 9mm core is the perfect substrate since it is accurate to machine, recyclable and has been audited and found to meet the requirements of standard(s) FSCSTD-40-004 (Version 2.1) EN and FSC-STD-50-001 (Version 1.2) EN for FSC® Chain of Custody Certification.



SPECIFICATION

Formats:

2400 x 1200 x 11mm Standard Square Edged
2400 x 900 x 11mm Standard Square Edged
2400 x 1185 x 11mm Interlocking Tongue & Groove
2400 x 885 x 11mm Interlocking Tongue & Groove
2400 x 585 x 11mm Interlocking Tongue & Groove

Construction:

Top Layer: High Pressure Decorative Laminate
Core: MR MDF or Plywood*
Reverse Layer: Balancing Laminate

Profile System:

Anodised/Coated Aluminium Extrusions in Chrome, Satin, White & Black
Length: 2440mm

Installation:

Installation is completed using a system of aluminium profiles including an internal corner profile, an H-joint for connecting two square edged panels, an end finishing profile and an external corner profile. Also available are a shower finishing trim and bottom/top profile.

Care & Maintenance:

There is no maintenance of the panels required although it is advised to keep the seal at the base of a shower or around a bath clean and intact. Panels can be kept as new using a regular cleaning regime using standard shower shine products.

Using the same surface material as a kitchen worktop, the hygienic melamine surface of the panels can be kept as good as new with only gentle cleaning using non-abrasive cleaning products.



TECHNICAL INFORMATION

Decorative High Gloss, High Pressure Laminate Surface with Plywood Core

Perla Pro features a decorative surface which is a high pressure laminate (HPL) which is considered to be one of the most durable decorative surface materials, combining cleanability with a surface which is totally impervious to water. HPL is composed of layers of kraft paper impregnated with phenolic resin and a layer of decorative paper impregnated with a protective layer of melamine resin which is pressed at high temperature and pressure against a polished steel texture plate to create a high gloss texture which makes the surface easy to clean and impervious to germs.

Perla Panels offer many advantages over other wall surfaces such as ceramic tiles or PVC cladding.

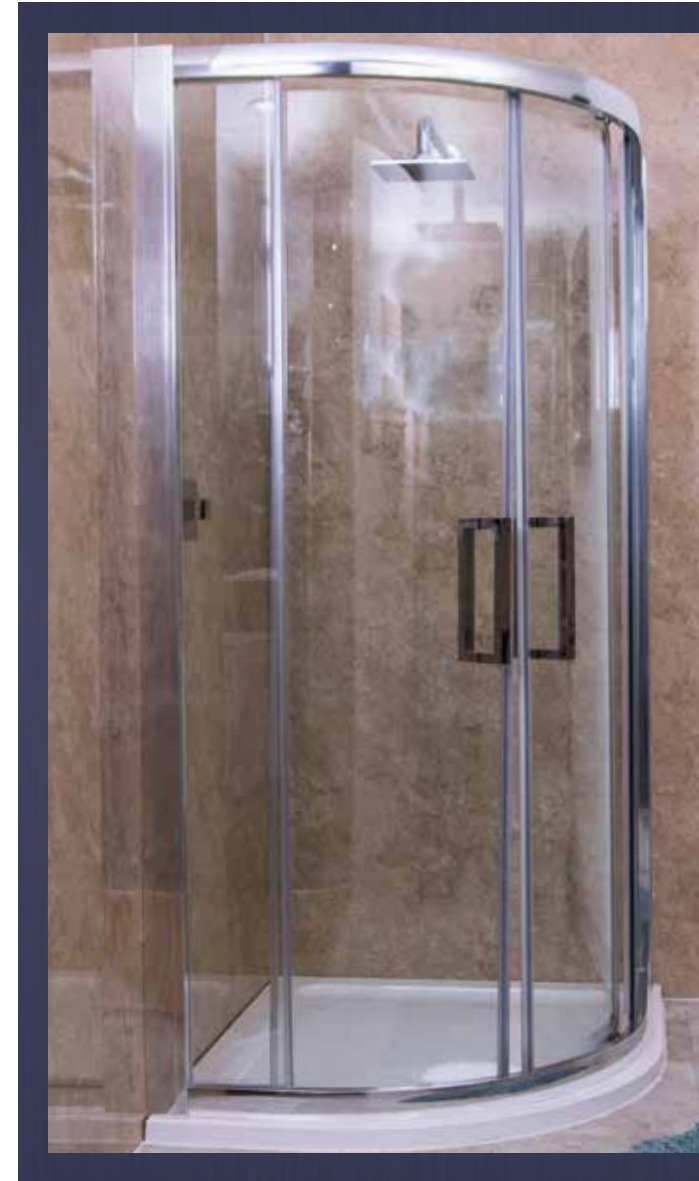
- Maintains a new appearance
- Easy to keep clean
- No grout to maintain
- Will not become brittle over time
- Will not crack like PVC
- Screw mounting of accessories
- Will not fade
- Clean & neat jointing systems
- Easy to cut, drill and fit
- Profiles to protect and conceal silicone

WET ROOM APPLICATION

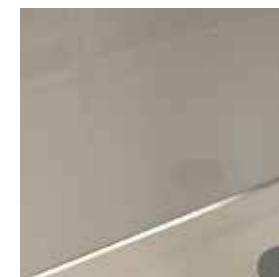
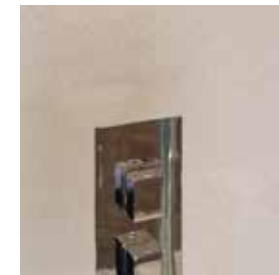
Perla Pro panels are ideal for use in wet rooms but precautions must be taken to ensure that exposed panel edges are sealed.



When panels are installed in a wet room situation the Wall to Flooring Finishing Trim should be used. This allows the flexible flooring to finish correctly underneath the panel and for the panel to be raised off the floor and tightly sealed in a profile for ease of cleaning and maintenance. Available in White PVC in 2450mm lengths.



SPECIFICATION	PROPERTY	TEST	ATTRIBUTE	UNIT	VALUE
Laminate Surface	HIGH PRESSURE VGS GRADE GLOSS LAMINATE				
	Surface Quality	EN438-3	Spots, dirt and similar surface defects	mm ² /m ²	<1
	Surface Quality	EN438-3	Fibres, hairs and scratches	mm/m ²	<10
	Dimension	EN438-2.50	Thickness	mm	0.6+/-0.1
	Surface Wear	EN438-2.10	Wear Value	Rev	>150
	Water Vapour	EN438-2.14	Gloss Appearance	Rating	3
	Impact	EN438-2.20	Spring Force (Small Ball)	N (min)	>15
	Scratching	EN438-2.25	Appearance	Rating	2
	Staining	EN438-2.26	Appearance	Rating	5
	Cracking	EN438-2.23	Appearance	Rating	4
	Light Fastness	EN438-2.27	Contrast	Grey Scale	4
	Cigarette	EN438-2.30	Appearance	Rating	3
	Density	EN ISO1183	Density	g/cm ³	>1.35
	Bonding	EN204	Resistance to Moisture	Class	D4
	Fire	BS476 pt7	Typical Value Surface Spread of Flame	Eqv. Class	2
	Fire	EN13501-1	Typical Value for Laminate bonded to standard wood-based substrate	Class	D-s2,d0
Substrate	5 PLY PLYWOOD				
	Designation	EN636-3S	External Grade	Plywood	CPR 0129
	Nominal Thickness		Dimension	mm	9
	Bending Strength	EN310: 2004	Mean of Bending Strength (0°)	N/mm ²	30
	Bending Strength	EN310: 2004	Mean of Bending Strength (90°)	N/mm ²	35
	Bending Resistance	EN310: 2004	Mean of Modulus of Elasticity (0°)	N/mm ²	50
	Bending Resistance	EN310: 2004	Mean of Modulus of Elasticity (90°)	N/mm ²	70
	Internal Bond Min	EN 314-1: 2004	Internal Bond Min	N/mm ²	Class 3
	Moisture	EN322: 2004	Moisture Content	%	10+/-2
	Density	EN323: 2004	Density	kg/m ³	>400
	Formaldehyde	EN13986: 2004	Emission	Class	E1
	Fire	EN13986: 2004	Table 8	Class	D-s2,d0
	Thermal Conductivity	EN13986: 2004	Thermal Value	W/(m.k)	0.11
	Biological Durability	EN 335-3: 2013	Durability	Class	3



Also in the Perla Bathroom Range:

PERLA PANELS: Bathroom Wall Panels

PERLA SPACE: Contract Bathroom Furniture

PERLA INTEGRA: Integrated Bathroom Furniture

PERLA LINEA: Fusion Bathroom Furniture

PERLA ACCOMMODATION: Complete Bathroom Interior Service

Visit: www.perlabathrooms.com

 PERLA^{PRO}

JTC FURNITURE GROUP
Manhattan Works
Dundee
DD3 7PY
01382 443555

