

EDITION

22

JTC
FURNITURE GROUP

P60 Black Marble with P63 Statuario

PERLA[®]
BATHROOM PANELS



PERLA[®]

BATHROOM PANELS

BATHROOM PANELS FOR HOUSING

JTC Furniture Group offers over 35 years of experience in the manufacture and supply of kitchen and bathroom furniture to the Private Development, BTR/PRS, Affordable and Social Rented Markets, with all products manufactured in our UK manufacturing facilities.

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

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

Our range of Perla Panels helps reduce installation times and maintenance cost whilst offering a reduction in turnaround times on void properties.

YOUR BATHROOM EXPERTS

Designed Specifically for the Contract & Development Market

- High Levels of Stocks Maintained
- On Site Packaging Minimised
- Plywood & MR MDF Core
- Wide Choice of Timeless Designs
- Easy to Fit Finishing Profiles
- Bulk Deliveries or Bespoke Plot Sets
- Pre-Cut to Site Size Option

P61 Grey Stone

DESIGNED FOR THE WAY WE LIVE TODAY



BATHROOM WALL PANELS

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 before they leave the factory.

A combination of innovative design with advanced manufacturing techniques gives Perla a unique character and supreme practicality. Perla wall panels meet the sustainability demands of the current climate without compromising on quality or performance.

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

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 it 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. We use a high quality 9mm WBP plywood grade responsibly sourced. 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.

10 YEAR WARRANTY

Perla panels offer the highest standards in quality, performance and are manufactured in the UK to exacting standards. We are pleased to offer an exclusive 10 year residential performance warranty on all Perla products.

Panel Specification

- High Pressure Laminate Surface
- Easy Clean Gloss & Matt Finishes
- 11mm Thick Panel
- Installed over Existing Wall Coverings
- Faster to Install Than Ceramic Tiling
- Solid Aluminium Profiles



PANEL SPECIFICATION

FORMATS

- 2400 x 1200 x 11mm Standard Square Edged
- 2400 x 900 x 11mm Standard Square Edged
- Bath Standard Square Edged - Sizes Available to Meet Site Requirements (cost on project bases)
- Basin Splashback Standard Square Edged - Sizes Available to Meet Site Requirements
- 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: 2450mm

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 with a regular cleaning regime using standard shower shine products. Using the same surface material as a kitchen worktop, the hygienic laminate surface of the panels can be kept as good as new with gentle cleaning using non-abrasive cleaning products.

PANEL ADVANTAGES

Perla Panels offer many advantages over other wall surfaces (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

P28 Grey Slate

PANEL SPECIFICATION

Technical Specification



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.

PLYWOOD

Plywood is a traditional core material for panels and offers properties of strength and reliability. We use a high quality 9mm WBP plywood grade responsibly sourced

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.



P30 Travertine

TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATIONS

DECORATIVE HIGH GLOSS, HIGH PRESSURE LAMINATE SURFACE

Perla 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.

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
	Water Vapour Permeability	EN13986: 2004	Wet Cup Dry Cup	μ	60 175
	Thermal Conductivity	EN13986: 2004	Thermal Value	W/(m.k)	0.11
	Biological Durability	EN 335-3: 2013	Durability	Class	3

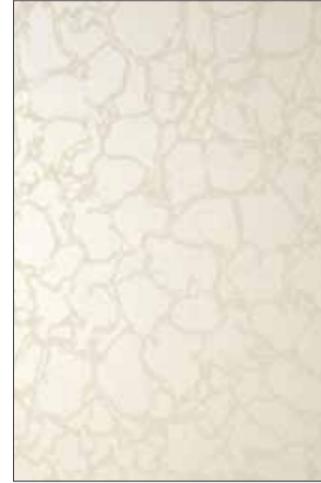
AVAILABLE DECORS



ELEMENT WHITE P26



GLACIER P59



METALLIC WHITE P35



ITALIAN MARBLE P54



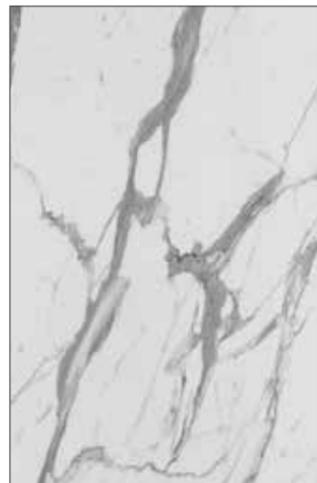
WHITE SPARKLE P62



MADISON P31



BROADWAY P32



STATUARIO P63



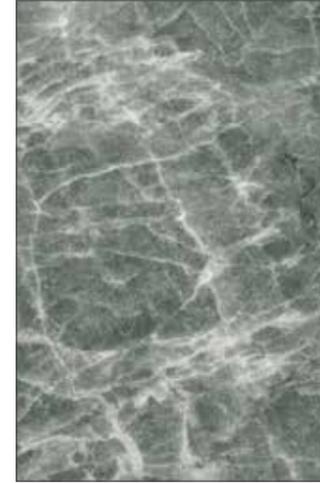
TRAVERTINE P30



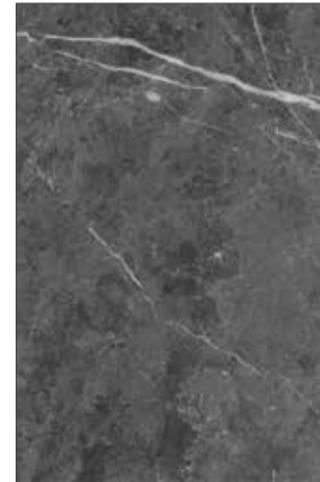
BRONZE SLATE P29



LINEA GREY STRIPE P49



DARK MARBLE P53



GREY STONE P61



GREY SLATE P28



SILVER GREY P45



METALLIC BLACK P44



BLACK MARBLE P60

SYSTEM PROFILES

Square edged panels are joined using aluminium profiles.

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.

Profiles are 2450mm in length to suit the panels.

Available in Finishes:



White
Powder Coated



Satin



Chrome



Black
Powder Coated

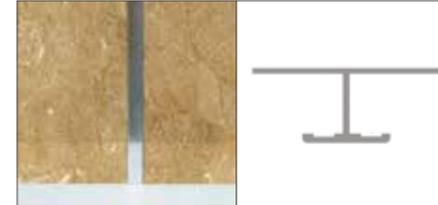


FINISHING PROFILES

P53 Dark Marble with P54 Italian Marble

PROFILES

JOINING H-PROFILE



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

INTERNAL CORNER



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

FOOT FINISHING TRIM



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

END FINISHING TRIM



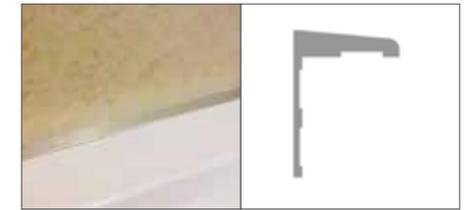
The end finishing profile is extremely useful in finishing off the edge of a panel or in the transition between a panel and adjoining ceramic tiles.

EXTERNAL CORNER



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

TRAY FINISHING TRIM



A slim elegant profile 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.

WALL TO FLOORING FINISHING TRIM



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.

Panel edges must always be sealed with a high performance silicone sealant

SmoothGroove Interlocking Joint

Locking tightly together without any joining strips means that the high quality Perla decors can be used continuously with only a slight line visible. Panels should be glued using high grab panel adhesive or silicone to most sub-wall surfaces which are sound, dry and dust free.

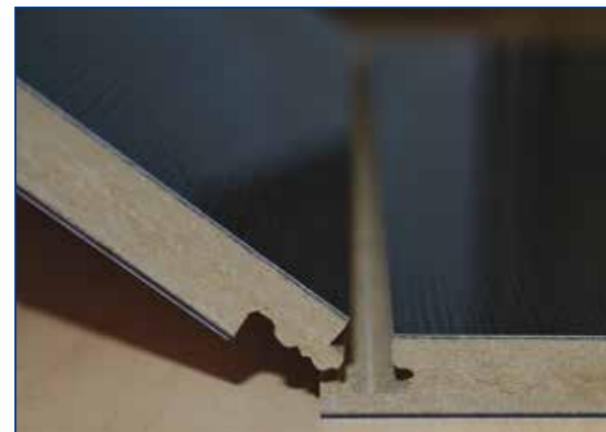


P29 Bronze Slate

SMOOTHGROOVE

SMOOTHGROOVE

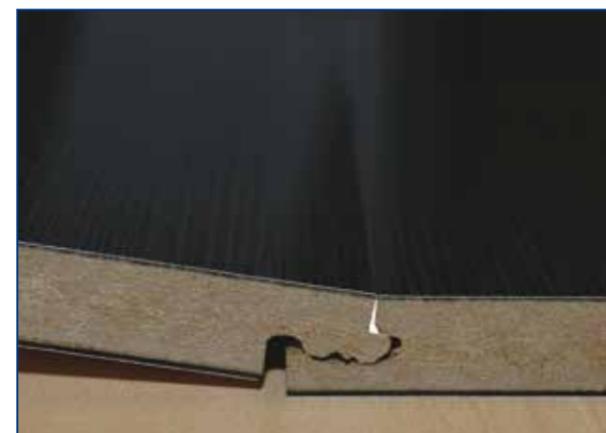
Often when panels are required to cover a larger area the profile-less joint of our interlocking tongue and groove becomes a required feature.



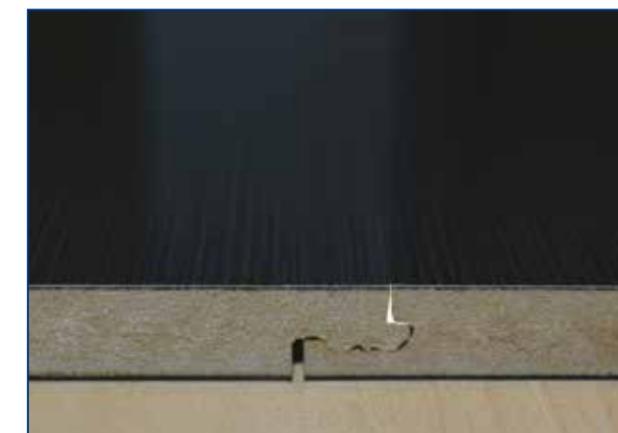
Interlocking panels should be fixed with the grooved edge exposed so that the tongue part can be introduced into the fixed panel. The interlocking tongue should be introduced at an angle of around 30 degrees so that the front edges of the two panels are touching.



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.



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

CASE STUDIES

CASE STUDY

#1

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 it included two windows, one of which was in the shower/bath area and another in the recess of the room. Both required panelling.

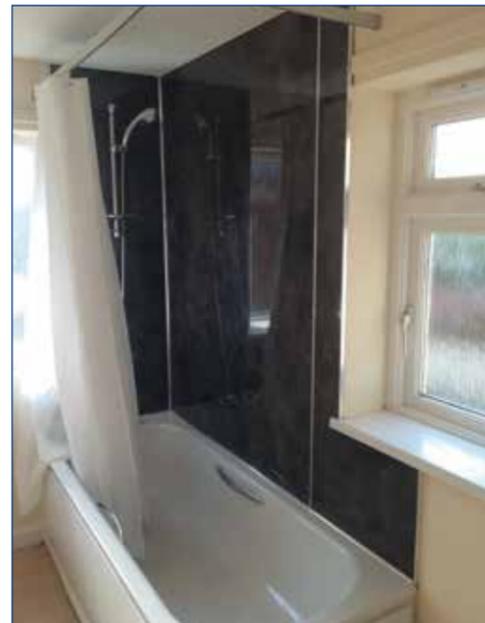
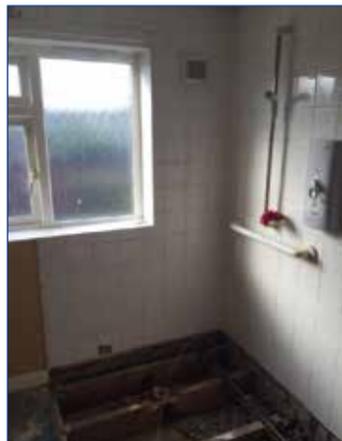
The original wall covering was in ceramic tiling which was in a poor condition and all the plumbing and fitments required to be completely renewed.

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 (two hours vs two 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



Before



Finished Works

TESTIMONIAL

"A great job by the contractor 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

CASE STUDY

#2

APS (Arthington Property Services) are Leeds Federated Housing Association's in-house contractor delivering planned improvements to kitchens, bathrooms, windows and doors across the housing stock on a cyclical programme.

JTC, as well as supplying kitchens for the improvement, also provide Perla Board for use in bathroom installs.

The introduction of Perla Board as a customer choice was made following a trial on the 20/21 programme. This proved successful and is a popular option that customers are choosing in lieu of traditional ceramic tiling to the wet areas of their bathrooms. APS have had particular success using the Perla on wet room adaptations where the ability to get key elements of the works completed quicker has improved significantly to give the customer a more enhanced experience and delivery of essential facilities faster than traditional methods.

LAS install at Jaques Close, Leeds

Work commenced on 15th April and involved removing an old wet room floor and associated bathroom elements, excavating and installing a new tray former including drain connections, electrics, hydro flooring, Perla panels, decoration, shower, bi-fold screens and refitting of the customers vanity unit and cabinet.



Before



Work in Progress

Work **completed in 10 working days** as per Service Level Agreement times with LFHA client.



Finished Works (8 hours later)



FAQs

Common Questions Arising From The Case Study On The Use of Perla 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?

Using the 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?

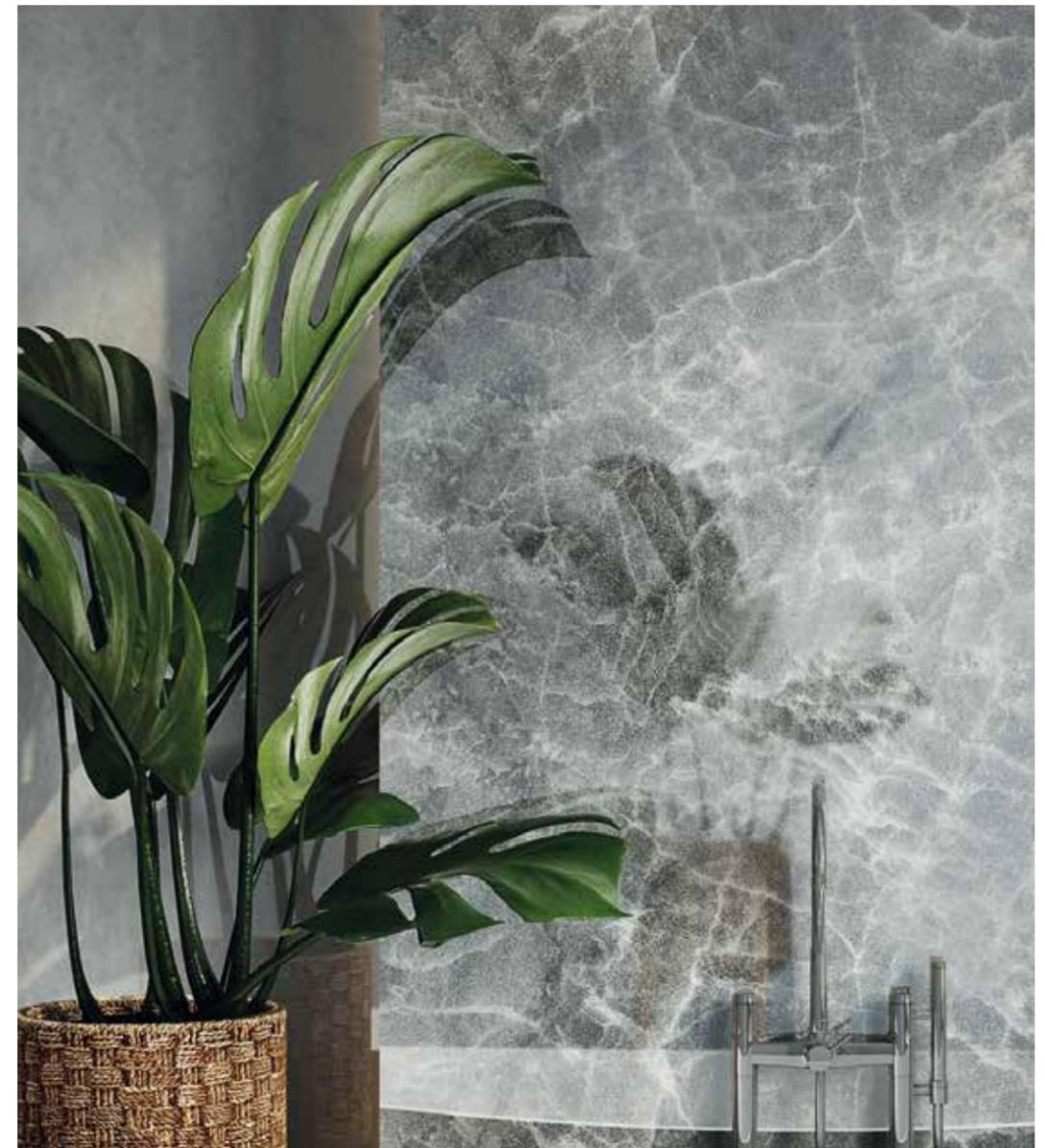
We recommend that the panels are installed from floor to ceiling before any sanitary ware is installed. This is because this gives much more space to install the panels to make the installation much faster and easier. Also should you have to change your sanitary wear in the future for example if there 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.



PERLA[®]

BATHROOM PANELS



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