

HPL SHOWER PANELS



AQVA
WALL

Brought to you by
CROWN
— LAMINATES & BEYOND —



AQVAWALL from Crown Decor is a melamine surfaced high pressure laminate sheet particularly designed for wet areas where moisture resistance is important. These sheets are robust, water, moisture, impact resistant and easy to maintain.

These panels can create a functional and stylish trendy wet wall solution. They are practical and immensely pleasing with several applications. They can be used for Wall Paneling, Feature Wall, Partitioning Wall, Laundry area walls and shower area recess paneling.

Our tile effect wall panels have all the visual benefits of real tiles. These are affordable substitute to ceramic tiles. These waterproof panels are easy to install and clean.

We can offer these walls in 6 surface structure in more than 100 colours/designs. Aqvawall can be used in the wet areas. It can also withstand more than normal resistance to saturated moisture.

Applications

- Shower Cubicle Lining, Bathrooms and launderette
- Backwall over sinks, Basin and Laundry Troughs
- Interior wall Lining for Buses, Coaches, Boats, Carvans and likewise
- Shopping area backwall, Supermarket back wall including commercial spaces
- Interior wall panelling, partitioning, utility areas etc

Available Sizes

Shower Panels : 2440mmx1220mm

Back Splash : 3050mmx1220mm

Shower Panels Tile Sizes

Metro : 200x75mm

Qube : 300x200mm

Back Splash Tile Size

Subway : 200x75mm

Thickness

2.5 mm, 3 mm, 4 mm.

Note : Pictures are for reference purpose only. Please refer to Colour range and Surface Finish for our actual product

TECHNICAL SPECIFICATIONS

PROPERTIES	SPECIFIED VALUE AS PER EN - 438		CROWN VALUE
Thickness	EN 438-2 section 5	According to the required thickness	02.0 < t < 03.0 mm : ± 0.20 mm 03.0 < t < 05.0 mm : ± 0.30 mm
Density	ISO 1183-1	1.4	Min. 1.45GM/CM3
Resistance to Surface Wearing	EN 438-2:2005 section 10	Revolutions (min.) Starting Point Wear Value	560 750
Determination of Surface Scratch	EN 438-2:2005 section 25	Stress Rating (min.) Smooth Finished	Flat Surface 5N
Impact Resistance	EN 438-2 Big Ball section 21 CGS 2.0<t<6.0 mm t>6.0 mm	Dropheight - 1800 cm Diameter of Indentation - 10 mm	1800 cm 5 mm
Resistance to dry heat (180°C)	EN 438-2:2005 section 16	Appearance Rating (min.) Gloss Finish Other Finish	4 (black samples/matte finish)
Water Vapour Resistance	EN 438-2:2005 section 14	Appearance Rating (min.) Gloss Finish Other Finish	5 (black samples/matte finish)
Resistance to Boiling Water	EN 438-2 section 12	Mass Increase 5% Thickness Max 6 Appearance Less than 4	2.2%
Determination of Resistance to Burning Cigarettes	EN 438-2:2005 section 30	Level 3	Level 2
Resistance to Staining	CES Group 1 & 2 Group 3	Level 5 Level 4	Level 4 Level 5



INSTALLATION GUIDE- EASILY EXPLAINED FOR HPL COMPACT PANELS

PRE INSTALLATION GUIDANCE.

1. Wall level must be straight and synchronized. If required they should be flushed or some packing should be used for the battens to be in a straight level.
2. Compact panels must be properly dried while applying double side tape and the MS polymer.
3. Batten surface and the panel surface should be free of any dust or other particle at the places adhesive is being applied.
4. 3mm gaps for expansion joints have been provided in the aluminum channels.
5. Ensure that MS Polymer do not spill on to the adhesive tape while applying as else it will cause the panel to move/slip and prevent from proper pasting.
6. Jointers must be properly screwed/fixed.
7. Use of double side tape ensures holding of the panel till such time the adhesive cures and bonds the panel.
8. Ensure that dust or other particles do not cover the activator area which will ensure proper and strong bonding of the panel.

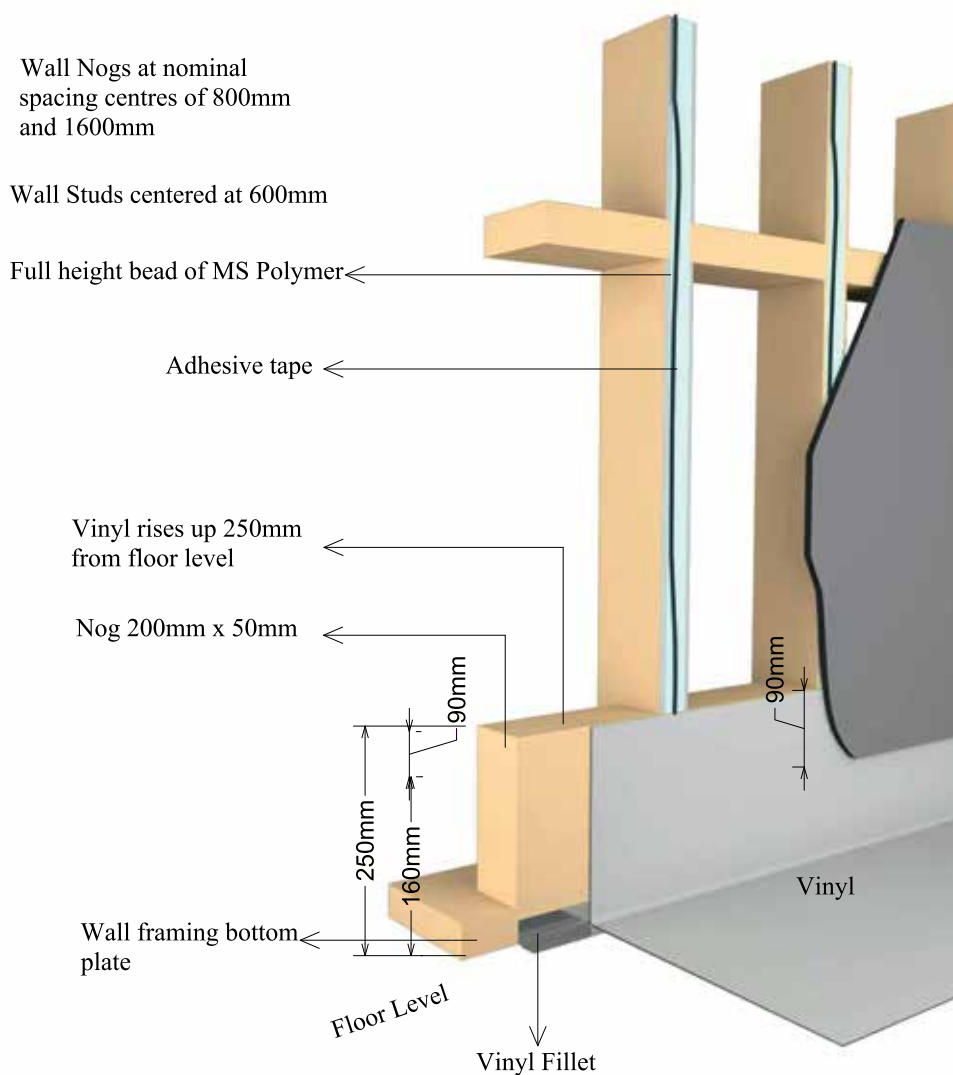
AQUA WALL COMPACT WALL LINGS FOR PERMANENT FIXATION:

Aqua Wall HPL compact panels in size 2440mmx1220mmx6mm thick can be fixed horizontally or vertically which can be fixed to the wall either using a PVC jointer or Aluminum jointer.

REQUIRED TOOLS FOR PANEL INSTALLATION:

- For Cutting the panels – Use a fine tooth tungsten tipped circular saw blade.
- Routers or tungsten tipped hole saws can be used for cutting of the holes.
- Sausage Caulking or Cartridge gun knife
- Screw driver
- Sand paper no.400 to smoothen the sharp edges post panel cutting.
- Suction cups to lift the panels
- Staple Gun for timber frame or Power drill for concrete wall
- Use low feeds for Saws/Drills or Router for smoother cutting.
- Double side foam tape of any quality make with good adhesion in size 12mm wide x 2mm thick
- Required jointers, Internal and External Corners and the End capping.
- Good quality building adhesive of any available brand
- Stainless Steel Screws
- 3.5mm Drill Bit
- 5mm Masonry bit
- No.2 Pozi- Drive
- 8 gauge x 32 c/s screws
- Treated Wooden Battens or Aluminum/steel extruded channels
- Vent Strip
- Building Paper
- 8mm stainless steel staple

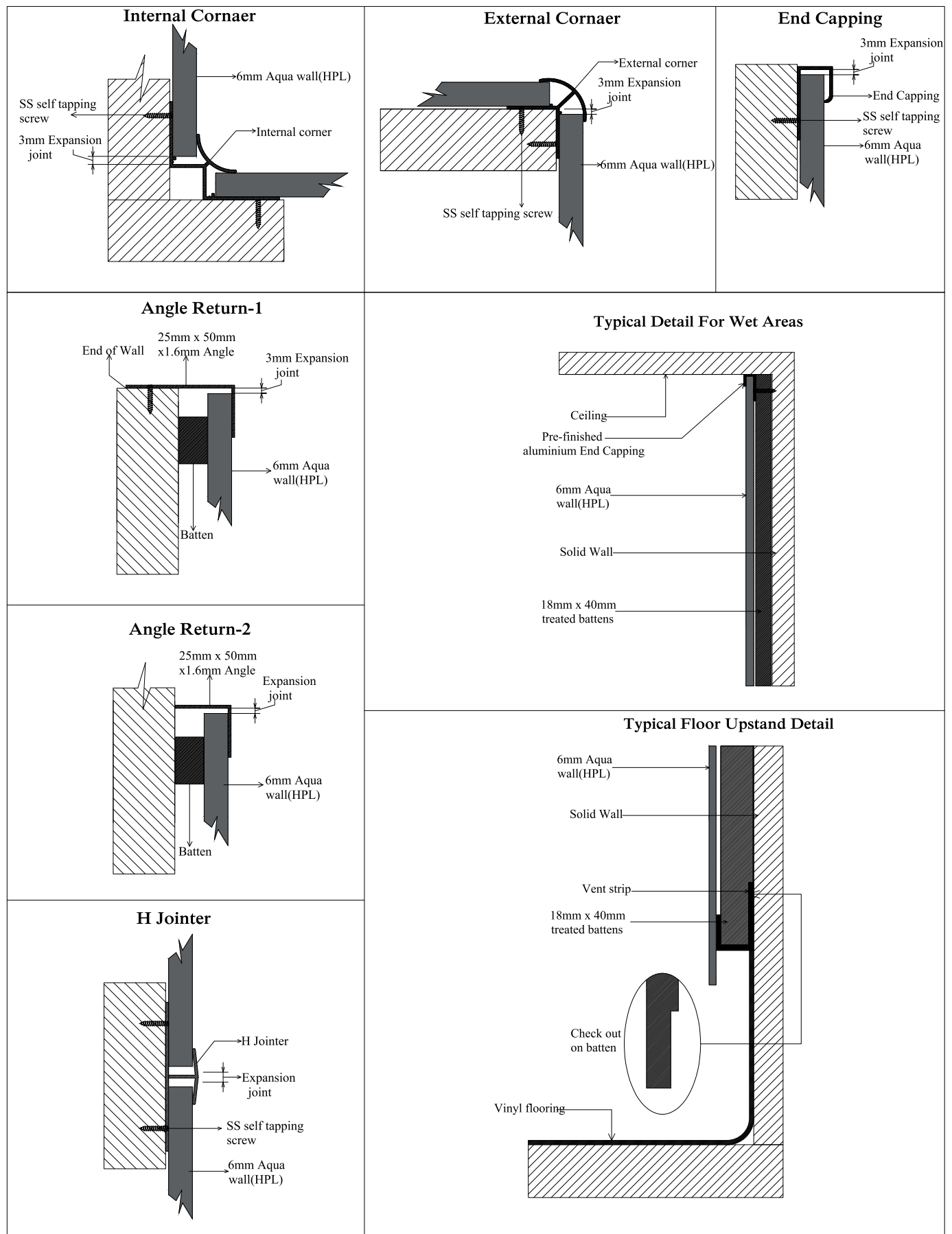
TIMBER FRAMED WALL



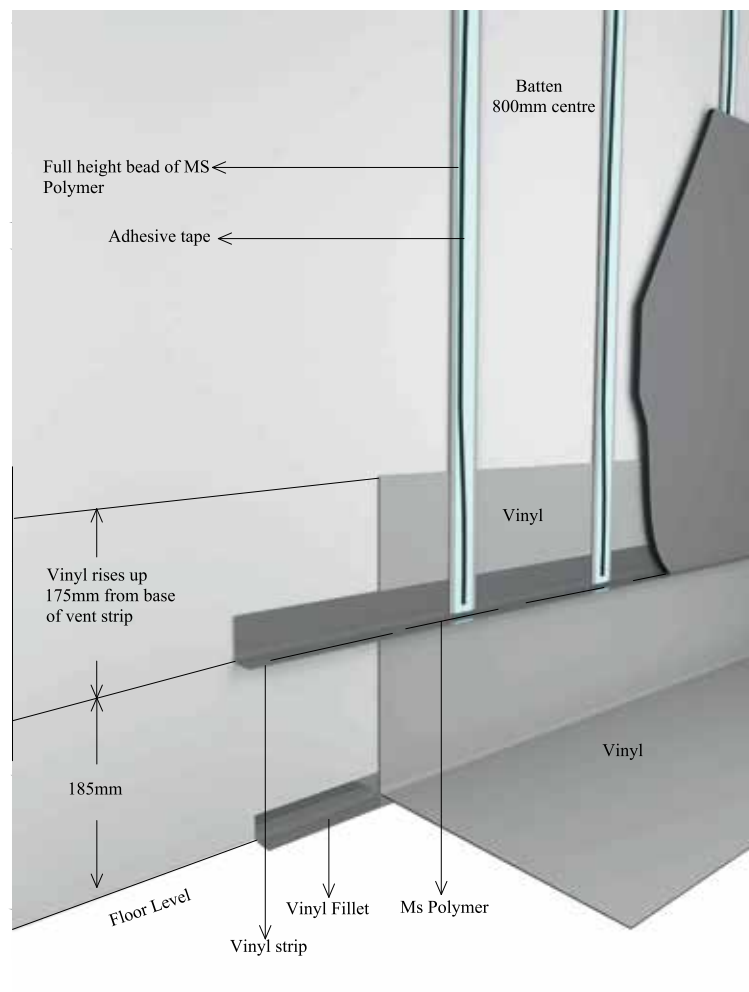
INSTALLATION ON TIMBER SUBSTRUCTURE

1. Fix a 200mmx50mm nog at the base of the framing to provide for vinyl as shown in the picture as shown in the picture as A
2. Floor vinyl to be laid which should be moved upwards upto 250mm as shown in the picture as B
3. Fix with 8 gauge x 32 screws
4. Place the panel to check its fitting position (these panels can be cut with a silk-saw or routers. To make any hole use tungsten tipped hole saw)
5. Each of the stud should be cleaned properly with activator to ensure a dry type surface for proper adhesion. Change the cloth frequently if found to be dirty and make the surface degreased and made purposeful for application of the adhesive. Absolute dry surface is very important.
6. Thereafter put a long strip of double side tape on the stud face.
7. Apply a layer of about 5mm of adhesive and ensure it is no closer than 25mm from the edge of the tape as else it will prevent the panels from sticking to the tape.
8. Surface of the panel in contact with the adhesive should be cleaned for maximum adhesion of the panel. Always use a clean cloth to apply the activator. Frequent change of cloth is recommended if it becomes dirty.
9. Fix the panel. Take care to leave 3mm space between the profile and the panel edges. Fix the panel by pushing in the place over double side tape and hold it for a while until the adhesive cures and make a good holding.
10. Keep continuing the same way

JOINTERS, INTERNAL AND EXTERNAL CORNERS AND END CAPPING DETAIL



SOLID CONCRETE WALL INSTALLATION



INSTALLATION ON TIMBER SUBSTRUCTURE

Fixing of the Aqua Wall HPL panels on a flat concrete surface or the wall has a slightly different fixing procedure which is explained as below:

1. Floor vinyl to be laid and brought up the wall up to 260mm. On top of this vinyl place the vent strip at 185mm (bottom edge) from the floor. Then use 8 gauge x 32 screw to fix.
2. Then use 18mmx40mm treated battens full height vertically for each 400mm, at 600 centers. You may use 8 gauge x 32 screw with plastic anchor if so required. The surface of the concrete wall must be straight and no surface variation should be there. If such variations are found packing/planning should be done. Check the battens at the bottom to allow a space for the vinyl and vent strip. For concrete wall, use stainless steel screw for fixing or use a shot fire gun on the raw wall or the plugs. Find fixing studs and then screw and fix with stainless steel countersunk screws or by 65mm-75mm ring shank nails.
3. Attach aluminum extrusion and fix it with countersunk stainless steel screw (8 gauge x 32 screw)
4. Dry fit each panel to check for its fitting. For any adjustment to its fixing for improper size cut it with skill saw, Router or hole saw (for cutting the holes). Tungsten tipped saw blade should be used.
5. Clean each of the battens with acetone activator by using a clean cloth and make it dry to ensure that the surface is completely cleaned, degreased for the application of MS polymer. This process will ensure proper maximum adhesion of the glue.
6. Once dry, put a whole length strip of double side tape on the side of the each batten.
7. Apply about 5mm bead of the adhesive and ensure it is no closer to than 25mm from the edge of the tape. If not done so, it will prevent the panels from sticking to the tape.
8. Then clean all the surfaces which are in contact with the adhesive apply acetone with activator for strongest adhesion.
9. Then fix the Aqua Wall panel by leaving a 3mm space for expansion between the profile and panel edges.
10. Insert the next aluminum extrusion and keep on doing until completed.

ACCESSORIES



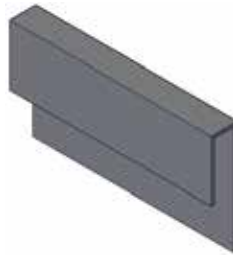
Internal
Corner Profile



External
Corner Profile



H Profile



Top Profile



End Profile



Base Profile

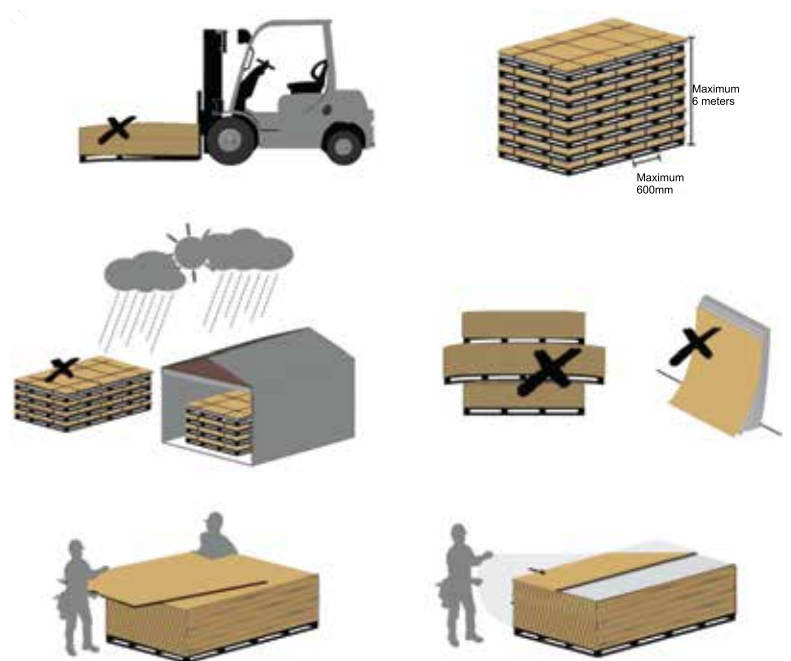
HANDLING & LOGISTICS

Handle Aqva Wall Panels with care in order to not damage the edges and surface of high quality material. In spite of the excellent surface hardness and the protection film applied, the stack weight of the panel could be a possible cause of the damage. Therefore any form of dirt or dust between these panels must be avoided. Panels must be secured against slippages during the transportation. While loading and unloading, the panels must be lifted and not pushed or pulled over the edges.

Aqva Wall panels must be stacked horizontally on a flat and stable surface with supporting panels. These panels must lie completely flat on the surface and a cover plate should be kept on the stack. The top cover should be weighed down and must be wrapped by plastic.

These panels are to be stored in a closed room under normal climatic conditions to avoid excess humidity and heat. Appropriate distance should be maintained between each side of the panel.

It is advised to use protection like hand gloves during the handling and installation.



CARE & MAINTENANCE

Aqua Wall Panels are durable, abrasion and impact resistant. They hardly require maintenance under normal use. However proper care makes them more durable to last longer.

- Do not use any sharp objects, chopper, hammer or slice directly on the surface.
- Do not use cleaning agents and steel wool for cleaning. Instead use natural detergent or cleansing agents. However for difficult stains soft nylon scrub in a circular motion may be used. If the stain still persists, baking soda paste with water can be used carefully and moderately. In some instances acetone (nail polish remover) denatured alcohol or undiluted household bleach can also be used. Any stain as well as cleaning agents must be wiped immediately and should not be allowed to rest for more than two minutes.
- Do not use acid, alkalies, iodine, hair dye tonic etc. which may cause discolouration and deterioration of the surface.





RT 1636

DECORS



RT 546



RT 1522



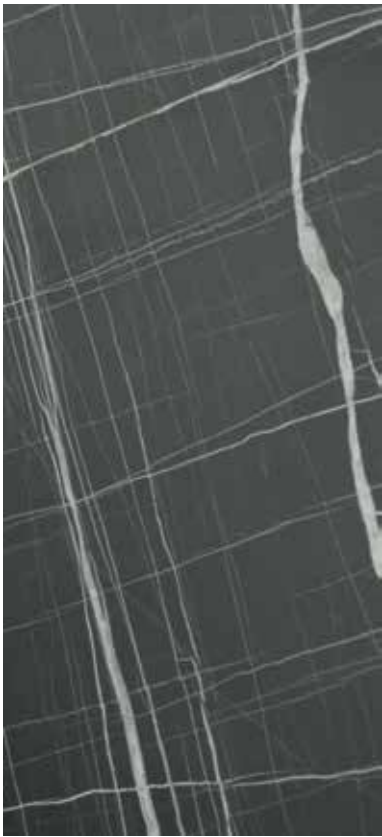
RT 551



RT 1722



RT 1551

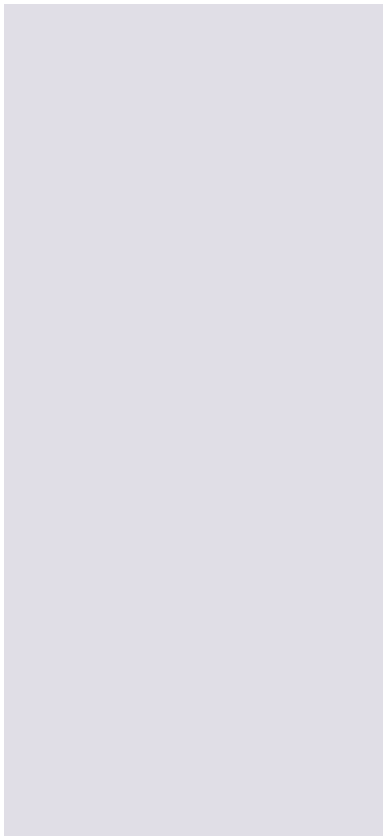


RT 1636

DECORS



RT 67



RC 13



RC 11



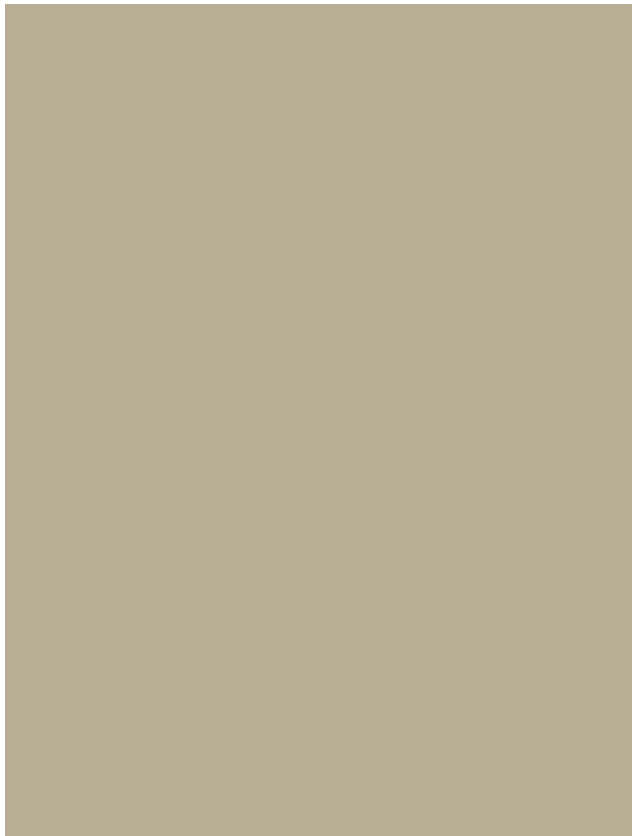
RT 1557



RT 449



RT 262



RT 129



RT 1552





RT 262
METRO



RT 546





RT 1557



RC 13



RT 1722





RT 546





RT 1551





RT 1557
METRO



RT 1552

RT 551





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