



 **dumawall XL**[®]
WATERPROOF WALL PANELS



DumaWall XL

Installation Guide

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Decorative Wall Panels; virtually seamless joins without the cost.



General

- All the information is given and based on good building practice and are not a complete statement of all relevant data. As the installation of Dumwall is influenced by and relies on factors outside the control of PSP Limited, PSP Limited assumes no responsibility for the installation of Dumwall and their suitability to satisfy relevant Building Codes and Regulations,
- Our products are produced with the greatest possible care. However, no guarantee can be given with regards to small differences in look and colour in different production runs and batches. Therefore, installations in one room have to be carried out with products with the same production date. The date is stated on the label of the packaging box. Differences in look and colour once the product is installed with different production dates will not be accepted. Labels stating production dates will need to be provided.
- Wear protective gear during installation; safety goggles, mask, gloves, ear protection and steel cap boots.
- Always work in a well-ventilated area.

Note: Due to different production processes between the Dumawall XL and Dumawall + there could be slight colour differences if both products are installed in the same room.

For the Dumawall XL PASS Scope & Limitations information please visit www.dumawall.co.nz or contact PSP Limited on **0800 786 883** or email info@psp.co.nz.

All wet wall substrates that Dumawall is to be adhered to must be waterproofed. For more information visit www.building.govt.nz – Code of practice for internal wet area membrane systems.

Refer 8.1.5 Code of Practice - Dumawall XL - the panel must be installed by direct stick adhesive fixing to the waterproof membrane system or direct stick to a screed over the waterproof membrane system. The adhesive must be a solvent-less water-borne latex or acrylic adhesive. Dumawall XL include planks or strips. The Dumawall XL installation instructions must be followed. Dumawall – deemed vinyl.

Typical applications include:

- Private residences: bathroom, kitchen, laundry room, garage, basement, bedroom and living room.
- Professional applications: office space, sporting halls, shop areas, bathrooms, kitchen and laundry.
- Prefab houses: caravans, mobile homes and boats.

The panels are particularly well suited for use in damp areas.

Health and Safety

Health and safety precautions must be taken when working with Dumawall products. Work areas must be well ventilated and kept clean. It is recommended that eye protection, dust mask, gloves and safety footwear are worn at all times. A dust mask must conform to AS/NZS 1715 and AS/NZS 1716 and eye protection conforming to AS/NZS 1337.1. Offcuts, shavings and dust must be disposed of in a manner that avoids the generation of dust and in accordance with the requirements of local waste authorities.

The panels may NOT be installed:

- Outdoors, on account of possible discolouration and the possibility that the product becomes brittle, unless explicitly stated or shown otherwise on the package insert.
- In spaces with a temperature in excess of 60°C or lower than -10°C, for example in a sauna or refrigerated area.
- On walls where the contact temperature may be above 60°C, e.g. on a chimney flue, by a stove or radiators,
- In poorly ventilated areas.

Acclimatisation and inspection

- Lay the panels flat during transport.
- The panels should be laid flat for 48 hours in the area in which they will be installed with a minimum distance of 50 cm from the walls to adapt to the environmental conditions in the area. The ideal temperature before and during installation is approximately 20°C.
- Before installation, check each panel carefully in adequate lighting for scratches, dents, damage, difference in colour and any other deviations to the standard quality. A panel that is installed even though it shows faults is excluded from our warranty.
- If Dumawall is being considered for a sunroom or in a similar space, please pay attention to the combined effect of intense

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exposure to sunlight and increased temperature. The panels should not be exposed to temperatures higher than 60°C.

Preparation

- Ensure all support surfaces to be bonded are clean and dry
- The Dumawall XL panels can be installed directly onto existing wall linings i.e. tiles, aluminum composite, fibre cement, treated plywood. This method is only suitable for dry surfaces free from dust and grease. For damp and uneven walls we recommend the use of support timber framing. Make sure that the wet area substrate is sealed and water proofed to meet local building regulations.
- For panels, use Dumafix or a MS-polymer based adhesive like Sika MS123 or equivalent (estimate 1x tube per 2m²). Always check that the adhesive is suitable for use on the surface on which the Dumawall XL panels are going to be applied to. Take into account that the Dumawall XL panels will expand and contract in the event of major changes in temperature, provide 1mm per metre of Dumawall XL on either side.
- Double sided tape is used in conjunction with adhesives to provide temporary support during adhesive cure. This removes necessity of bracing the panels.
- The Dumawall XL panels may be cut or shortened easily using a handsaw, table saw, portable circular saw or a sabre jig saw. Please take the necessary precautions when handling sharp tooling.
- Make allowances for the water supply by measuring and drilling the appropriate size hole. In advance and where possible, install support trims on the sides and base of the wall.

Maintaining a silicone joint

- Never wipe sealant with an UNGLOVED finger
- The tool used to finish the sealant surface must be free of saliva
- Mould can grow in wet or steamy areas if attention is not paid to adequate ventilation

Installation

- If you choose to finish the edges and corners, we recommend the Dumawall aluminium trims. For the edge and corner detail its recommended to install the Dumawall aluminium trims in the appropriate location prior to fixing the panel into place. Apply either the Dumafix or Sika MS123 adhesive to the back of the trim and fix it in place.
- For fixing the panel, apply a continuous bead of adhesive to the panels at 300mm centres and double-sided tape at 400mm centres (estimate 1x tube per 2m²). Do not apply adhesive in blob or spots. The panels must be supported on the floor (do not affix in a floating manner).
- Repeat the above step and fix the next panel by fully inserting into the tongue and groove. Note: apply a line of silicone between the tongue and joins in wet areas for a complete waterproof connection. Also, use silicone around the cut-out sections and drilled holes (refer figure 1).
- If installing into a corner, the vertical tongue and groove must be removed to allow for a plumb edge against the substrate or Dumawall aluminium trim. Once the panel is in place, gently tap the full surface using a rubber hammer (and protective block) and check with a level (refer figure 2).
- Using water and a cloth, clean off any adhesive residue that is visible while it is still wet. Do not allow this residue to dry as it will be difficult to clean up when dry and could damage the finish.

Shower Trays

- Overlap the top edge of the shower tray, while maintaining a approximate 5 mm between the edge of the shower tray and the Dumawall XL.
- Apply a bead of silicon to the upper edge of the tray lip or flange before the Dumawall XL is installed.

Bath or Basin Edge

Please note: the Dumawall aluminum Start Trim can be used for a professional finish.

- For an aesthetic appearance a Starter Trim (Aluminum Anodised), can be fixed to the bottom edge of the panel. Prior to positioning the edge of the panel into the Starter Trim, silicone shall be applied into the jointer channel so the channel is at least 1/3 full. When the sheet is located into the channel it is likely that silicone will be forced out of the channel up the front and back of the sheet. This action should eliminate water tracking down into the channel. Make sure the silicone is cleaned off the face of the panel before curing.

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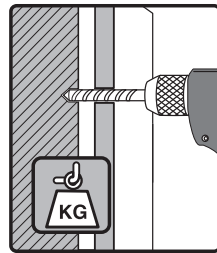
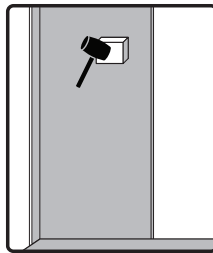
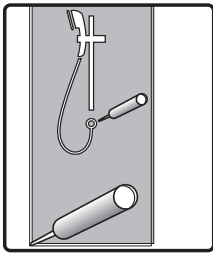
- Generally most new baths or basins come complete with a raised lip or flange on the top edge. Overlap the lip or flange, while maintaining an open gap of approximately 5 mm. Apply a bead of silicon to the upper edge of the lip or flange before the panel is installed.
- If your bath does not have either a raised lip or flange, a proprietary flashing is the simplest solution to waterproof these junctions. Ensure the flashing has sufficient cover over the fixture edge.

Bath wall installation options

There are numerous baths available from many different manufacturers. Refer to bath manufacturer's installation guidelines and typical details.

Finishing and maintenance

- Do not attach heavy accessories like coat hooks, light fittings, mirrors, etc. directly to the panels but drill holes through the panels and use suitable screws and plugs to attach the accessories securely in the wall behind (illustration 6). Put an extra support behind the panels.
- You can thoroughly clean the panels using a soft, non-abrasive cleaning agent. Do not use abrasives, aggressive substances or chloride-based cleaning products.
- This product is made from PVC and is 100% recyclable. PVC does not contain any hazardous substances.



Cleaning

Dumawall panels can be cleaned and polished to their original condition by using any typical household, non-abrasive cleaning agent. Normally, you only need a damp cloth to clean the panels thoroughly. Do not use abrasive, aggressive substances or cleaning products based on chloride. We do not recommend using solvents. Adhesive residue or pen marks are best removed using isopropyl alcohol. Please test a non-conspicuous area first before a full clean of the surface.

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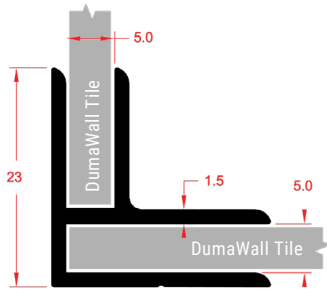


Universal Corner Trims

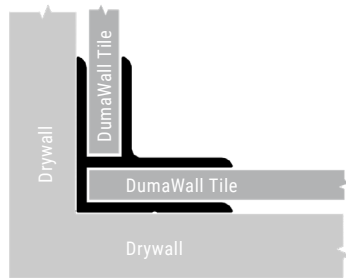
Universal Corner Trims should be attached with adhesive to the substrate. Dispense a small bead of adhesive directly to the substrate corner or on the trim itself. Also dispense a bead of sealant into each of the trim's channels to prevent water from reaching the substrate.

DumaWall - Universal Corner Trim

For 5.0mm Thick Panel - Cross Section



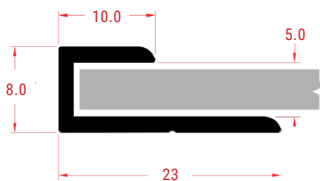
Universal Corner Trim Application



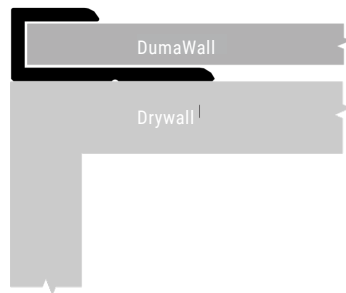
U-Trims are used to finish the terminal end of tiles when not adjoined to anything. To install, don't dispense adhesive a few millimetres from the tile's edge where you intend to use the U-Trim. This will allow the trim to slide into place. Dispense a bead of sealant into the receiving channel of the trim and then press the trim into place.

DumaWall -U-Trim

For 5.0mm Thick Panel - Cross Section



U-Trim Application



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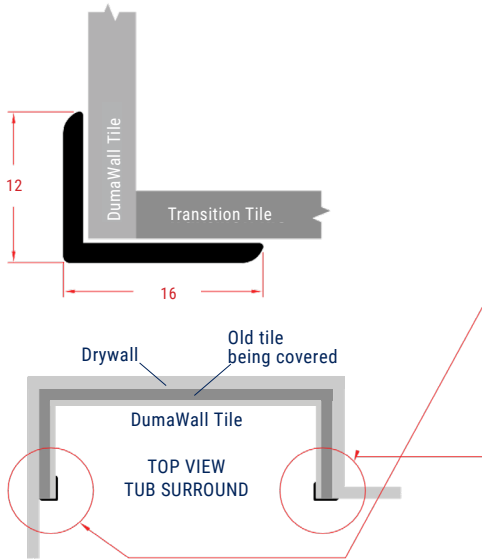
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L-Trims are used to cover existing exposed tiles to provide a finished look (see drawing below). Install by dispensing a thin bead of sealant on the DumaWall side and a thin bead of adhesive on the substrate side. Press trim into place. If trim will not stay in place, use some masking or painter's tape to hold until adhesive sets.

DumaWall -L-Trim

For 4.2mm - or 5.0mm Thick Panel - Cross Section



L-Trim Applications

