



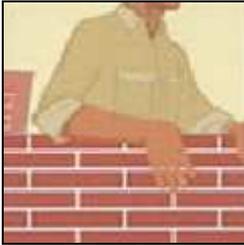
Panel Installation Guide - Internal

Muros Wall Panels allow you to create or transform any environment with great results! Panels are supplied ready for convenient installation. Due to their lightweight and flexible construction fitting is completed with little mess and in minimal time. For correct installation and finish, we use and recommend Muros Trained Installers. Muros Wall Panels can also be installed by skilled builders, shop-fitters and set designers - or those experienced and wanting a Do-It-Yourself (DIY) project.

This step-by-step guide is designed to demonstrate the installation process and assist those undertaking their own installation.

Please note: Muros Wall Panels are a decorative finish only, not a cladding system; and provision of this guide does not provide or imply any guarantee of finished result. Further information is available on the Muros website - www.muros.co.nz.

1a PREPARATION



ALWAYS WORK SAFE AND USE SAFETY EQUIPMENT IN A WELL-VENTILATED AREA.

To avoid damage all panels should be wrapped with protective packaging while in storage or being moved. To avoid bending, wall panels should be stored in a horizontal position (standing up or lying down). Prior to installation a sound structure is required to affix the panels (includes stud and nogs preferably using 18mm Ply or MDF. Gib may work too).

1b MEASURE AREA



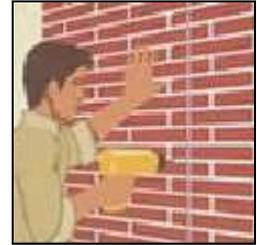
Measure the area where the installation will be made. Calculate how full panels can be positioned to most economically cover all, or the majority, of the area. Next, calculate how many cut panels will be needed to complete the area (if required). Add up the number of panels (full and cut) required for the project. Ensure you have sufficient panels prior to starting the installation.

1c CUTTING



Where required cut full panels into pieces to fit into smaller areas. Remember to leave up to a 5mm space between panels. (Later, use this space to apply and shape mastic to create a consistent and seamless joint between panels). Cut panels evenly and continuously on a flat surface using a radial saw or angle grinder (preferably with blades/ disks for fibre/ polyester). Install cut panels as outlined in Step 2.

2 FIXING



Starting from the top, place panels in position one at a time and drill holes through the panel into the structure behind. **Screw through areas of low relief in the panel design, with a focus on the panel perimeter.** Place screws at a maximum of every 600mm (approx 15 screws per panel). Use 32mm / 8 diameter zinc-coated screws. Depending upon design a space up to 5mm should be left between panels for mastic.

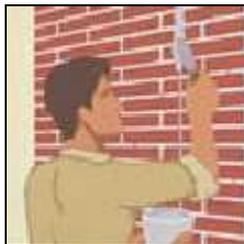
3 MASTIC



Once all panels have been screwed into place the next step is to seal the screw heads and spaces between each panel. This is completed using Muros Mastic (soft putty) and Muros Catalyst provided. Operate in a well-ventilated space - a fan may be used if needed.

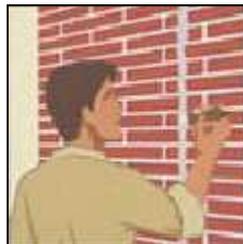
To prepare the mastic, **in a round container add 10ml of catalyst for every 1kg (fist size) of mastic.** Mix both together very well in a small round container. The mastic is now ready to use.

4a SEALING



Mastic should be applied promptly following preparation. Do leave uncovered or leave in heat as the mastic may set before application. Using a spatula apply mastic in the spaces between each installed panel. Be generous with mastic. **Raised joints are better than 'sunk' lines.** The mastic will harden to form a strong seal between each panel. Also apply to hide the screw heads and where any panel rebuilding or repair is required.

4b TEXTURING



Before the mastic sets shape with light touches using a no 6 brush and sponge. A scouring pad and chipping brush can also be used to create texture and relief consistent with the panel design. **This is a critical part of the installation process because joints between panels should not be visible.** Regularly remove excess mastic and clean the brush continuously with acetone. Selleys No More Gaps may also be used to fill any unwanted gaps left between panel and wall.

5 PAINTING



When the mastic is dry (normally 24 hours) paint it using specified Muros paints. The aim is to blend colours to ensure a perfect finish with consistent relief, texture and colour over the whole decorated area. Apply using a paint brush. A sponge can be used to rub the surface lightly to blend paint with the surrounding panel. If panels are used externally apply appropriate flashings. This is final step... the installation is complete.