

# Panel Specification Guide



<b>Product Name:</b>	<b>Muros Wall Panels</b>
<b>Description:</b>	Decorative fibreglass-based panels representing an authentic look, colour, texture and relief of natural materials. Panels are used for a wide range of building applications, primarily walls and ceilings.
<b>Design:</b>	Over 70 designs, created from real-life textures, in stone, brick, wood, concrete, rock and contemporary styles.
<b>Construction:</b>	A base of natural and mineral pigments, mixed with polyester resin and fibreglass
<b>Source:</b>	Spain (design and manufacture)
<b>Application:</b>	Designed and used extensively for all internal and external* applications <i>* Muros International is consulting with accreditation agencies and local councils regarding formal approval for external use</i>
<b>Shapes:</b>	Available in flat rectangular sheets, pillars, beams, arches, corbels, doors and other miscellaneous shapes
<b>Dimensions*:</b>	Width = 3,300mm Height = 1,300mm Depth = 5mm - 20mm Sq metre = 4.30m <sup>2</sup> <i>* Dimensions stated apply to Muros Wall Panels and will vary between designs. For confirmation contact Muros International.</i>
<b>Weight:</b>	Panels are lightweight and range between 6 - 8kgs per m <sup>2</sup> (depending upon design)
<b>Radius:</b>	Wall and ceiling panels are flexible. Radius (panel curvature) is determined by the design of each panel. Radium range between 90° (thick relief - e.g. White Old Masonry) to 180° (thin panels with little relief - e.g. concrete).
<b>ISO Accreditation:</b>	ISO9001 (Quality) and ISO14001 (Environment) - applies to design and manufacture processes
<b>Low VOCs:</b>	Muros panels contain Estireno (Polystyrene) as the only Volatile Organic Compound (VOC). The quantity of residual Estireno changes according to time passed from production*. <ul style="list-style-type: none"> <li>■ Residual Estireno from manufacture to one week (4.5%) - N/A due to majority of shipping times</li> <li>■ Residual Estireno from manufacture to 3 months (4.0%)</li> <li>■ Residual Estireno from manufacture to 6 months (3.5%)</li> </ul> <i>* Figures stated represent approximate data</i>
<b>Fire Rating*:</b>	Muros Wall Panels are fire resistant. Materials are manufactured in M1 and M3 categories. M1 means products are practically inflammable (i.e. they do not give off flammable gases and have very low flame spread with minimum size and persistence). M3 products contain some material with medium-rated flammability. In 2012 Muros Wall Panels will be submitted to the new Euro-Class and USA ASTM E 84 certification levels. From 2013 Muros expects panels constructed to M0 (non-combustible) certification level. <i>* Current ratings set on European accreditation by Laboratoire National D'Essais - Australasian certification is set for 2012</i>
<b>Green Star Credits:</b>	An application is planned in 2012 for one Green Star Credit in the Office Interiors - Mat-3 category
<b>Cleaning:</b>	Clean panels using a dust cloth or soapy water - DO NOT use solvents
<b>Installation:</b>	Prior to installation a sound structure is required to screw (zinc-coated) panels into - e.g. Ply/MDF wall Installation creates a seamless design and involves the following steps: <ol style="list-style-type: none"> <li>1) Fixing - screw full panels into place, utilising wall studs and nogs</li> <li>2) Cutting - cut panels to size to fill any areas not already covered in step 1</li> <li>3) Sealing - using mastic (soft putty) cover screws and fill the 5-10mm spaces between panels</li> <li>4) Texturing - texture the mastic to ensure a consistent design and relief between panels</li> <li>5) Colouring - paint the mastic to ensure a consistent colour and shade between panels</li> </ol> <b>Architects state on drawings: "Muros Wall Panels - To be installed by Muros Installers"</b>
<b>Warranty*:</b>	10-year manufacturer's warranty <i>* Warranty applies when panels are used for their intended purpose and installed by a Muros Trained Installer</i>

For installation enquiries or more information visit [www.muros.co.nz](http://www.muros.co.nz) or contact Muros International at [design@muros.co.nz](mailto:design@muros.co.nz).