

## Building Products Information Requirements Declaration

**Designated building product:** Class 1

### Declaration

**Resco Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.**

**Resco lockers are not subject to a warning or ban under s26 of the Building Act.**

### Product/system

**Name:** MultiCom Wall lining

**Identifier:** MultiCom

### Description

Multicom is a cost effective, high-impact resistant one panel system. Compact laminate panels are blind fixed with no need for a conventional impact resistant backing sheet. The system is Branz appraised for installation onto battens for wet areas (and flat walls) and directly fixed onto studs in dry areas.

Resco's Branz appraised wall lining system – MultiCom, is the perfect solution for ablution areas. MultiCom copes with the use and abuse that many ablution areas get. It's graffiti resistant and because it's a tough solid core panel it copes in these high use and abuse areas.

### Standard Materials and Manufacture

- 6 mm Compact Laminate panels
- Jointers, Internal and External corners and End capping.
- Surface Activator
- Holdfast double-sided foam Gator tape - 12mm x 2mm x 30mtrs.
- Holdfast 'Soudaseal' 240FC or
- Holdfast 'Fixall' MS Polymer
- H3-Treated battens (or steel battens)
- Vent strip
- Building paper

### Options

- Multicom can be fixed either horizontally or vertically but some panel colours have a grain that will need to be considered.
- For dry areas it can be installed direct onto framing
- For wet areas (or humid areas) or if a flat surface use 18mm x 40mm H3.1 or H1.2 battens at 600mm centres with vent strip on the bottom
- Colours include Woodgrain panels, Metallic panels and Primary colour panels

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### Dimensions

Multicom panels come in a size of 2,450 x 1,850 mm. They are 6 mm thick and have a density of 1,440 kg/m<sup>3</sup>. The panels are manufactured to the following tolerances:

- length and width: -0 / +10 mm;
- thickness: ±0.4 mm.

They come in a range of colours and can be easily installed with custom aluminium jointers featuring built-in expansion slots.

- Typically installed 160 off the ground to match up with the bottom of the cubicle height.
- Multicom can be fixed either horizontally or vertically but some panel colours have a grain that will need to be considered.

### Scope of use

#### Recommended for:

- Ablution blocks
- Shower rooms
- Toilet blocks
- Commercial kitchens
- Operating theatres
- Rest homes
- Changing rooms
- Gyms
- Prisons
- High abuse residential and institutional housing
- Hotels

### Relevant building code clauses

#### Building Code Compliance

##### B1 Structure

**B1.3.1, B1.3.2 AND B1.3.4** The Multicom system complies with these requirements for loads arising from self-weight and impact.

**B2.3.1 Durability** Resco's products exceed requirements. Our systems are made using Compact Laminate panels that have 10 year warranty, however we expect these panels to have a serviceable life of 20+ years. (Examples: Orewa top 10 Holiday Park – over 20 years old & Waikato Stadium - over 16 years old).

**E3.2, E3.3.4 Internal Moisture** Resco's products comply with these requirements. Our products are made from panels that have silver-ion technology. Panels actively kill up to 99% of bacteria within 2 hours for the life of the panel. The panels are waterproof and perfect for wet areas. (Tested to ISO 22196:2011, EN 438 4:2005).

**E3.3.6 Internal Moisture** The Multicom system complies with these requirements. Resco's Multicom wall lining is Branz appraised and is designed to prevent water splashing onto the timber framework. (Branz Appraisal).

**F2.3.1 Hazardous Building Materials** The Multicom system complies with these requirements and will not present a health hazard to people.

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**G1.3.2 Personal Hygiene** Resco's products comply with these requirements. The design of Resco systems are unique, they have fewer dirt traps, improved privacy and easier to clean.

**G3.3.2 Food Preparation And Prevention Of Contamination** The Multicom system complies with these requirements. Resco's products are made using Compact Laminate that are solid resin. This means that the panels are waterproof, hygienic and easy to clean. (ISEGA 37940 U 14).

**Greenstar V3.1 - Mat-4** Improves interior air quality by reducing VOC and Formaldehyde emissions. (Greenguard gold certification).

**Living Building Challenge** Resco's Antibac panels are free of the ingredients appearing in the Red List Summary of the Living Building Challenge (Supplier declaration).

**NZBC CVM2/AS2-AS7** Resco's panels are suitable for application in rooms with intermittent use. We typically propose our systems in toilet and shower blocks. (BRANZ testing FH 5110 - Group 3 rating).

## any limitations on the use of the building product

### Multicom wall lining

- Not intended for exterior use
- Not recommended for interior applications with prolonged exposure to direct sunlight.
- Must be installed according to our installation instructions. Deviating from the recommended installation procedures can affect the product's performance and longevity, underscoring the importance of adhering to these instructions.
- Stock supply, as it's essential to check product availability to secure the desired colour and style, especially for large-scale projects where consistency is vital.

## Any design requirements that would support the appropriate use of the building product

When incorporating Multicom into a design, it's essential to consider factors such as:  
If installing in a wet area such as a shower rooms, it needs be installed on a batten system  
If installing in a dry area it can be installed directly on timber frames

## Any installation requirements

The installation of Resco's Multicom wall lining necessitates a meticulous approach to ensure optimal performance.

First and foremost, proper surface preparation is essential. The substrate should be clean, dry, and free from any contaminants, ensuring a secure bond with the wall lining.

The use of the manufacturer's recommended adhesive is critical, as it is specifically formulated to adhere to Multicom effectively.

When joining panels, careful attention to seam alignment is vital to maintain a uniform and seamless appearance.

Installers should also follow the manufacturer's installation instructions correctly. By adhering to these installation requirements, Resco's Multicom wall lining can be applied efficiently, ensuring a durable and visually appealing finish for various construction projects.

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### Any maintenance requirements

Maintaining the longevity and performance of Resco's Multicom wall lining is a straightforward process. Regular cleaning with mild soapy water or a non-abrasive cleaner is recommended to keep the surface looking fresh and hygienic. It's essential to avoid using harsh abrasive materials or chemicals that might damage the wall lining. By adhering to these straightforward maintenance requirements, Multicom can provide long-lasting, aesthetically pleasing, and functional results in a variety of applications.

### Supporting documentation

The following additional documentation supports the above statements:

Product Guide (Design)	JAN 2020	<a href="#">CLICK HERE</a>
Product Technical sheet (Design)	NOV 2017	<a href="#">CLICK HERE</a>
Installation Return (Installation)	JAN 2018	<a href="#">CLICK HERE</a>

For further information supporting Resco Series 5000 Cubicles claims refer to our website [www.resco.co.nz](http://www.resco.co.nz)

### Contact details

**Manufacture location:** New Zealand

**Legal and trading name of manufacturer:** Resco Ltd

**Manufacturer address for service:** 12 Kahu Crescent, Hamilton 3200

**Manufacturer website:** [www.resco.co.nz](http://www.resco.co.nz)

**Manufacturer email:** [service@resco.co.nz](mailto:service@resco.co.nz)

**Manufacturer phone number:** 0800 800 950

**Manufacturer NZBN:** 9429031716161