5137R   RESCO MULTICOM WALL PANELLING SYSTEM

1.   **GENERAL**

This section relates to the supply and installation of **RESCO** Multicom® pre-finished proprietary wall panelling system for:
- wet and damp locations
- high impact areas
- high hygiene areas

1.1   ABBREVIATIONS AND DEFINITIONS
Refer to the general section 1232 INTERPRETATION & DEFINITIONS for abbreviations and definitions used throughout the specification.

Documents

1.2   DOCUMENTS REFERRED TO
Refer to the general section 1233 REFERENCED DOCUMENTS. The following documents are specifically referred to in this section:

NZBC C/AS2-AS7 Protection from fire
IS EN 438-4   High-pressure decorative laminates (hpl) - sheets based on thermosetting resins (usually called laminates) - part 4: Classification and specifications for compact laminates of thickness 2mm and greater
JIS Z 2801   Antibacterial products - Test for antibacterial activity and efficacy

Documents listed above and cited in the clauses that follow are part of this specification. However, this specification takes precedence in the event of it being at variance with the cited document.

1.3   MANUFACTURER/SUPPLIER DOCUMENTS
Manufacturer's and supplier's documents related to this section are:
Resco Multicom: Product Information Guide & Installation Instructions
Resco Antibac Fact Sheet
Resco Colour Sample Folder
Fire Test Report FH5110, Group Classification 3
Greenguard Compliance Certificate
BRANZ Appraisal 869 - Multicom® Wall Panel System

Copies of the above literature are available from **RESCO** Ltd.
Web: www.resco.co.nz
Email: service@resco.co.nz
Telephone: 0800 800 950
                Auckland: 09 415 5720
                Hamilton: 07 850 1025
Facsimile: 07 850 1026

Requirements

1.4   NO SUBSTITUTIONS
Substitutions are not permitted to any specified **RESCO** brand products, components or accessories.

1.5   SAMPLES
Submit on request samples of panels and components for approval of colour and finishes.

1.6   QUALIFICATIONS
Installers to be experienced, competent and familiar with the materials and techniques specified. Install to **RESCO** Installation Instructions current at the time of installation.

Warranties

1.7   WARRANTY - MATERIALS
          Provide the **RESCO** warranty.

          10 years: For the compact laminate panel's integrity and aluminium jointers

          - Provide this warranty on the **RESCO** standard form.
          - Commence the warranties from the date of completion.

          Refer to the general section 1237 WARRANTIES - MATERIALS for additional
          requirements.

2.   PRODUCTS

          Materials

2.1   WALL PANELS
          6mm compact laminate panels with black core made from thermo-setting resins to IS EN
          438-4. Certified antimicrobial to JIS Z 2801 to prevent the growth of bacteria on the
          surface up to 99% within 24 hours. Refer to SELECTIONS for colour options.

          Components

2.2   JOINTERS AND CORNER PROFILES
          Selected extruded aluminium 6060 alloy full length aluminium powder coated jointers and
          corner profiles to suit application. Refer to SELECTIONS for channel colour options.

2.3   DOUBLE-SIDED TAPE
          2mm Multicom® double sided tape.

2.4   ADHESIVE
          Soudaseal adhesive.

2.5   CLEANER
          Activator cleaning solution, used to wipe down panel and batten and other components
          that the adhesive is to bond with.

2.6   PROFILE FIXING
          Use fit for purpose stainless steel screws.

2.7   BATTENS & VENTILATION STRIP
          18mm x 40mm H3.1 battens and PVC ventilation strip to allow heat and moisture to
          equalize behind the panels.

3.   EXECUTION

          Conditions

3.1   HANDLE AND STORE
          Store inside and keep in original packaging until needed. Do not store in sun or rain or at
          high temperatures. Do not walk over the panels. Use caution, machined edges may be
          razor sharp. Do not slide panels; lift them carefully to prevent scratching. Ensure free of
          dust and debris. Large panels are a two man lift.

3.2   SUBSTRATES CHECK
          Before commencing installation of the **RESCO** Multicom® system, ensure all substrates
          are plumb, level and in true alignment, all flooring surfaces are ready and all plumbing

fittings are properly positioned. Ensure adequate provisions are made for fixing to relevant walls.

3.3   PROTECT
        Protect adjoining areas, surfaces and finish from damage.

        Application

3.4   INSTALL BATTENS & VENTILATION STRIP
        Use non-corrosive fixings to fix 18mm x 40mm H3.1 battens at 600mm centres and ventilation strip on the bottom end. Battens and vent strip may be excluded in dry areas.

3.5   INSTALL ALUMINIUM JOINTERS AND CORNER PROFILES
        Install aluminium jointers and corner profiles as required to the requirements of **RESCO** Ltd and **RESCO** Installation Instructions.

3.6   ACTIVATOR SOLUTION
        Wipe all surfaces with activator solution that will be in contact with Soudaseal adhesive.

3.7   DOUBLE-SIDED TAPE
        Fix continuous full height double-sided tape to wall areas, to hold panels while Soudaseal adhesive cures.

3.8   SOUDASEAL
        Apply a continuous full height 5mm bead of Soudaseal adhesive to areas where wall panelling to be fixed.

3.9   INSTALL PANELS
        Dry fit every **RESCO** Multicom® sheet before applying double-sided tape and Soudaseal adhesive. Allow for a 3mm expansion clearance between profiles and panel edges. Carry out the fixing, erection and fitting to finish rigid, plumb, true to line and best practice, to the requirements of **RESCO** Ltd and **RESCO** Installation Instructions. The panels can be cut with a skill saw using fine-tooth tungsten tipped blade.

        Completion

3.10   REPLACE
        Replace damaged or marked elements.

3.11   LEAVE
        Leave work to the standard required by **RESCO** Ltd.

3.12   REMOVE
        Remove debris, unused materials and elements from the site.

4.   SELECTIONS

4.1   SURFACE FIRE PROPERTIES

Group Number	Panel/Finish	Location
3	Compact Laminate	~

4.2   RESCO MULTICOM® WALL PANELS
        Brand: RESCO
        Type: **Multicom®**
        Panel description: 6mm pre-finished compact laminate wall-panel
        Panel size: 2450mm x 1850mm x 6mm
        Panel colour: Resco Antibac range, ~
        Aluminium colour: Interpon powder coated range, ~