

5137HC HALE COMPACT WALL LININGS

1. GENERAL

This section relates to the supply and installation of **Hale** pre-finished proprietary interior wall panelling system for:

- wet and damp locations
- high impact areas
- high hygiene areas

1.1 RELATED WORK

Refer to ~ for ~

Documents

1.2 DOCUMENTS

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

NZBC C/AS1-AS7 Protection from fire
JIS Z 2801 Antibacterial products - Test for antibacterial activity and efficacy

1.3 MANUFACTURER/SUPPLIER DOCUMENTS

Manufacturer's and supplier's documents relating to this part of the work:
Fire Test Report 7191054407-MEC13/3-LGJ, Group Classification 1-S for Compact Laminates

Manufacturer/supplier contact details

Company: Hale Manufacturing Ltd
Web: www.haleman.co.nz
Email: haleak@haleman.co.nz
Telephone: 09 573 5999

Warranties

1.4 WARRANTY - MANUFACTURER/SUPPLIER

Provide a material manufacturer/supplier warranty:

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

- Provide this warranty on the manufacturer/supplier standard form.
- Commence the warranty from the date of practical completion of the contract works.

Refer to the general section 1237 WARRANTIES for additional requirements.

Requirements

1.5 QUALIFICATIONS

Installers to be experienced, competent trades people familiar with the materials and techniques specified.

1.6 NO SUBSTITUTIONS

Substitutions are not permitted to any of the specified **Hale** systems, components and associated products listed in this section.

1.7 SAMPLES

Submit on request samples of panels and componentry for approval of colour and finishes.

Performance

- 1.8 SURFACE FIRE PROPERTIES
Group Number to [NZBC C/AS2-AS7](#), table 4.1. Hale Compact Laminate is rated Group Classification 1-S, Fire Test Report 7191054407-MEC13/3-LGJV. Refer to SELECTIONS.

2. PRODUCTS

Materials

- 2.1 HALE COMPACT LAMINATE WALL PANELS
3mm Compact Laminate panels made from thermosetting resins to IS EN 438-4 and anti-bacterial properties certified to JIS Z 2801:2000.
Refer to SELECTIONS for colour options.

Components

- 2.2 JOINTERS AND CORNER PROFILES
Extruded aluminium alloy 6063 with silver anodised finish. Extrusions may be powder coated to any colour as an optional extra. Sections to include capping, internal and external corner and jointer in 2550mm lengths as standard.
- 2.3 DOUBLE-SIDED TAPE
12mm x 3mm foam tape to hold panel while glue cures.
- 2.4 PRETREATMENT OF PANELS
Prep M is a one-step pre-treatment for the improvement of panel adhesion.
- 2.5 ADHESIVE
Quilosa M35 or similar applied in 6mm bead.
- 2.6 ALUMINIUM FIXING
Stainless steel screw fixings.

3. EXECUTION

Conditions

- 3.1 DELIVERY, STORAGE AND HANDLING
Take delivery of panels and accessories and store on site and protect from damage. Protect finished surfaces, edges and corners from damage and store horizontally at all times. Move/handle goods in accordance with manufacturer's requirements. Reject and replace goods that are damaged or will not provide the required finish. Panels must be pre-conditioned in the room they are to be installed in for not less than 24 hours prior to fixing.

The panels can be cut to size using a Skill Saw with a fine tooth tungsten tip blade.

- 3.2 SUBSTRATE
Ensure substrate plumb, level and in true alignment.
- 3.3 PROTECT
Protect adjoining areas, surfaces and finish from damage.

Application

- 3.4 Ensure substrate is clean, true and free from contaminants
- 3.5 **INSTALL ALUMINIUM CORNER AND JOINTERS**
Screw fix corner and jointers progressively with the panels using stainless steel screw fixing. Allow 3mm expansion gaps in the extrusion.
- 3.6 **DRY FIT 3MM PANELS**
Dry fit the panels to test and mark positioning for primer application for Stud or smooth substrate.
- 3.7 **APPLY DOUBLE SIDED FOAM TAPE**
Apply continuous 3mm foam tape to substrate in accordance with Hale installation instructions to hold panel in place whilst adhesive cures.
- 3.7 **APPLY ADHESIVE**
Apply a continuous 6mm bead of adhesive to the rear of the panel. Ensuring bead in on more than 10mm from edge of panel in a continuous bead. Fill in panel with adhesive in a grid pattern.
- 3.9 **INSTALL PANELS**
Install the panels. Ensure there is a 3mm expansion gap within the extrusion.

Completion

- 3.10 **ROUTINE CLEANING**
Carry out routine trade cleaning of this part of the work including periodic removal of all debris, unused and temporary materials and elements from the site.
- 3.11 **DEFECTIVE OR DAMAGED WORK**
Repair damaged or marked elements. Replace damaged or marked elements where repair is not possible or will not be acceptable. Leave work to the standard required by Hale Manufacturing Ltd.

4. SELECTIONS

For further details on selections go to www.haleman.co.nz.
Substitutions are not permitted to the following, unless stated otherwise.

Performance

- 4.1 **SURFACE FIRE PROPERTIES**
Panel/Finish: Compact Laminate Panels
Group Number: 1-S

Materials

- 4.2 **HALE COMPACT LAMINATE WALL PANELS**
Location: ~
Panel type: 3mm Compact Laminate Panels
Panel size: 2400x1200mm, 3660x1525mm
Panel colour: ~
Aluminium extrusions: Natural silver anodised (as standard)