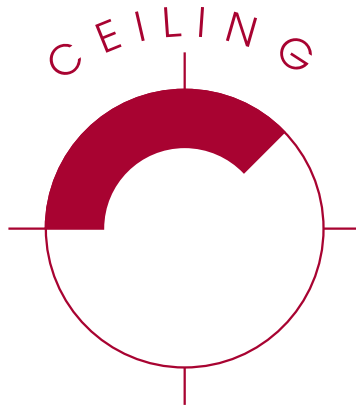
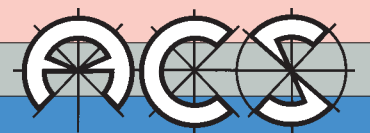




LINEAR



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Architectural Ceiling
Systems Pty Ltd

INTRODUCTION



ACS Linear Strip ceiling products have helped to re-define the process of ceiling design and construction since they were first introduced to the Australian market by us in the late '60's.

Since then, we have continually strived to make our products more accessible, durable and affordable for the entire market.

The introduction of "Ministrip", the economical linear ceiling system, and the development of "Alumacoust" for the large medium price market, developed in-house by our own engineers, are just two examples of our innovative approach to the business.

Our commitment to further improvement and development is shown by the establishment of a dedicated tooling and machine manufacturing centre, and our active involvement in the creation and testing of new building materials.

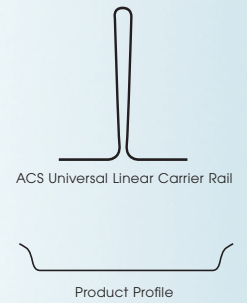
This catalogue details the new generation range of ACS Linear Strip ceiling products, with an inspiring array of Suites, Styles and Perforation options.

We welcome any enquiry regarding the technical detail of the ACS range. Please contact our Technical Sales Team if you have any queries, or to discuss the possibility of a unique design for your own needs.



More Design Opportunities

MINISTRIP BROADLINE



THE ECONOMICAL ACOUSTIC CEILING SOLUTION

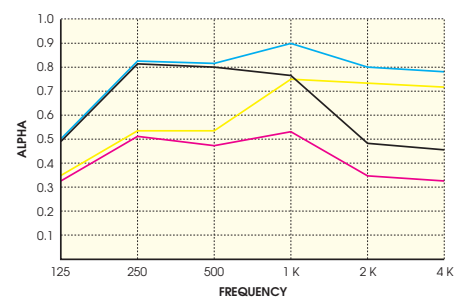
Ministrip was designed to answer the need for a more economical acoustic ceiling system. The product has proven to be the most successful system on the Australian market today, when one couples together such features as thermal insulation, painting and the basic ceiling construction.

The Ministrip system is a low profile, open style with a 75mm module available in a selection of finishes;

- Colorbond
- Baked Enamel
- Clear Lacquer
- Stainless Steel
- Manufactured from Zinalume

base metal the product offers a high degree of impact resistance and is suitable in a wide range of applications.

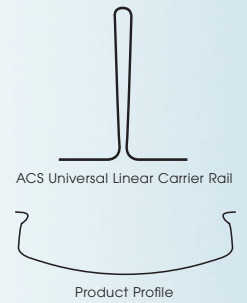
The face panel is available in a non-perforated or perforated form.



- 1 NRC = 0.60 PERFORATED + 25MM BTF
- 2 NRC = 0.78 PERFORATED + 50MM BTF
- 3 NRC = 0.43 NON-PERFORATED + 25MM BTF
- 4 NRC = 0.64 NON-PERFORATED + 50MM BTF

Products of Unequalled Popularity

ALUMACOUST MK I



THE MOST ADVANCED LINEAR CEILING SYSTEM

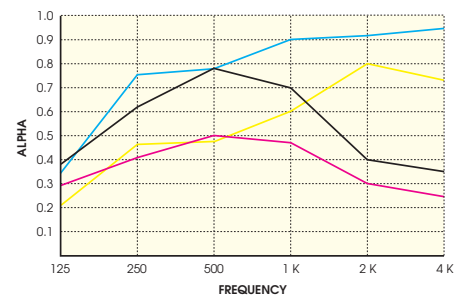
Alamacoust Mk I has been described by Architects, Designers and Specifiers as the “prestige” linear ceiling system.

Manufactured from an aluminium base, Alamacoust Mk I has a bold convex face panel profile with a 100mm open style module offering either a non-perforated or perforated form to the face panel.

The Alamacoust Mk I system incorporates a closure panel infill option for external applications. The system has an engineered pressurised airconditioning adaptation using the closure panel and an adjustable snap-in diffuser for air flow control.

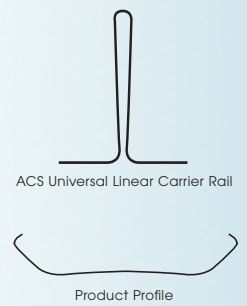
Finishes available in the Alamacoust Mk I system are:
Baked Enamel
Powder Coat
Clear Lacquer

A fully sealed acoustic or non-acoustic option is available for humid or wet area environments including indoor swimming pool applications.



- 1 NRC = 0.56 PERFORATED + 25MM BTF
- 2 NRC = 0.78 PERFORATED + 50MM BTF
- 3 NRC = 0.38 NON-PERFORATED + 25MM BTF
- 4 NRC = 0.51 NON-PERFORATED + 50MM BTF

ALUMACOUST MK II



A STYLISTED LINEAR SYSTEM WITH A DIFFERENCE

Alumacoust Mk II was developed to provide Architects with an alternative to the common shaped profiles, but offering a stylised appearance.

The system is produced from two base metals: Aluminium or Zincalume in an open style module of 100mm.

When budgets are limiting selecting the Alumacoust Mk II system in the Zincalume base becomes the answer for those Architects who still desire that added appearance.

The Alumacoust Mk II face panel is available in both a non-perforated or perforated form (Zincalume and Aluminium base).

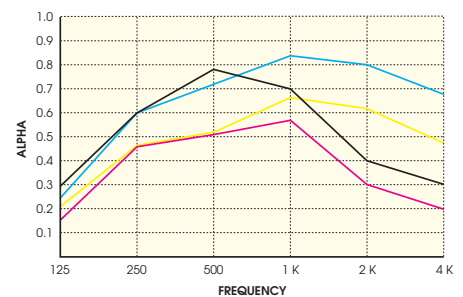
Finishes available are dependent on the base metal selections, for example:

Zincalume

- Colorbond • Clear Lacquer

Aluminium

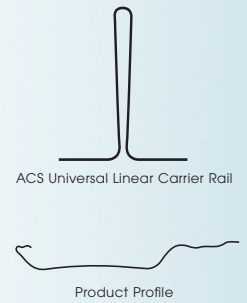
- Baked Enamel • Powder Coat
- Clear Lacquer



- 1 NRC = 0.49 PERFORATED + 25MM BTF
- 2 NRC = 0.66 PERFORATED + 50MM BTF
- 3 NRC = 0.37 NON-PERFORATED + 25MM BTF
- 4 NRC = 0.50 NON-PERFORATED + 50MM BTF

Design Freedom

MINICLOSED



CLOSED LOW PROFILED LINEAR LINING SYSTEM

Miniclosed has been developed to provide a partner to the Ministrip system for your external applications.

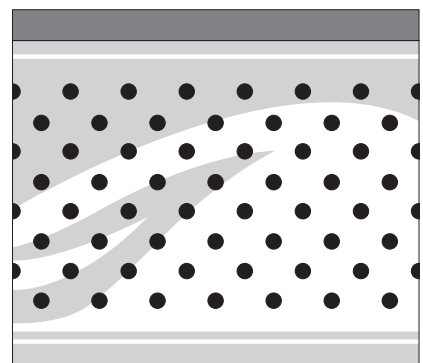
The system is suited for canopy soffits, walkways, eaves linings and wind lobbies.

The face panel can be removed and replaced at any point providing total access to the ceiling zone, even though the system is a closed profile.

Miniclosed is produced from Zinalume base metal and finished in either Colorbond, Baked Enamel or Clear Lacquer.

Miniclosed is produced in a 70/75mm closed style module.

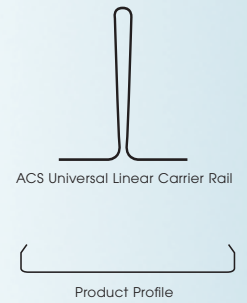
Perforated face panels are available offering a passive sound absorption.



Perforated strip with margin each side

Comprehensive Range Selection

LINEAR 5



THE CLASSICAL STYLED LINEAR SYSTEM

Linear 5 offers the crisp, clean, sharp lines for that classical look.

The face panel is produced from two base metal choices; Zincalume or Aluminium, and is a 100mm open style module.

Three different perforating styles are available, these are subject to the base metal selection:

Zincalume (Perforation Styles)

Band Perforation

Bridge Perforation

Full Perforation

Non-Perforated

Aluminium (Perforation Styles)

Band Perforation

Full Perforation

Non-Perforated

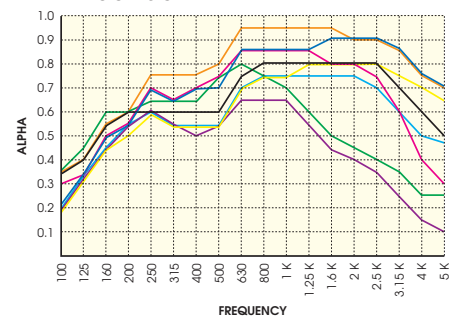
Linear 5 is available in a selection of finishes dependent on the base metal, for example:

Zincalume

- Colorbond • Clear Lacquer
- Baked Enamel

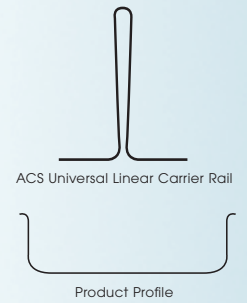
Aluminium

- Baked Enamel • Colorbond
- Anodized



- 1 NRC = 0.65 BAND PERFORATED - 25MM BTF
- 2 NRC = 0.75 BAND PERFORATED - 50MM BTF
- 3 NRC = 0.55 UNPERFORATED - 25MM BTF
- 4 NRC = 0.65 UNPERFORATED - 50MM BTF
- 5 NRC = 0.70 BRIDGE PERFORATED - 25MM BTF
- 6 NRC = 0.85 BRIDGE PERFORATED - 50MM BTF
- 7 NRC = 0.65 FULL PERFORATION - 25MM BTF
- 8 NRC = 0.80 FULL PERFORATION - 50MM BTF

FORMS



TOTALLY DIFFERENT WITH DEPTH AND APPEAL

Forms provides a distinctive profiled face panel.

The system is designed to offer that added dimension of depth with a 22mm deep face panel having a 75mm open style module.

Manufactured from Zincalume base metal the product is available in various finishes.

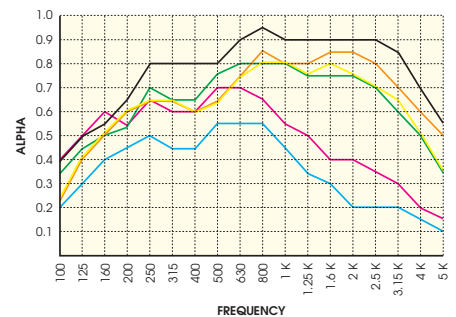
- Colorbond
- Baked Enamel
- Clear Lacquer

Perforated or non-perforated face panels are available.

The perforated face panels are available in two styles, Band or Full perforation. The Full perforated

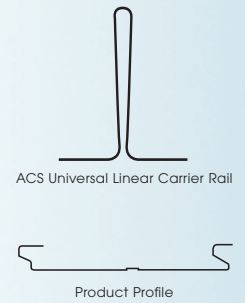
panel has been designed to provide a partial wrap around appearance.

Forms can be integrated with the Ministrip profile on the same carrier rail to provide a contrast of low to high profiles in any combination desired.



- 1 NRC = 0.70 BAND PERFORATED - 25MM BTF
- 2 NRC = 0.75 BAND PERFORATED - 50MM BTF
- 3 NRC = 0.75 FULL PERFORATION - 25MM BTF
- 4 NRC = 0.85 FULL PERFORATION - 50MM BTF
- 5 NRC = 0.45 UNPERFORATED - 25MM BTF
- 6 NRC = 0.60 UNPERFORATED - 50MM BTF

SPAC DECKFORM



SECURITY INSTALLATION ACOUSTIC CEILING

The SPAC Deckform system was developed to cater for the needs of Architects and Designers desiring an inaccessible system with the optimum of resistance to vandalism or abuse.

Manufactured from 0.80mm BMT Galvabond base metal this 150mm closed style module system has certainly delivered the answers.

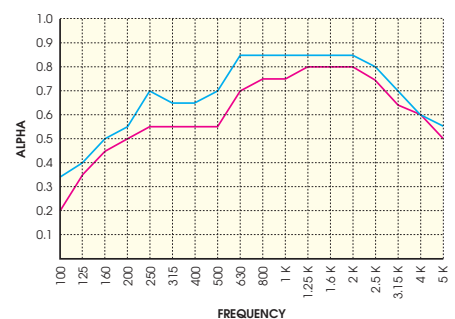
For those applications not demanding high security requirements, the SPAC Deckform system can be produced in a 0.60mm BMT, providing a more economical option.

Each face panel interlocks one to another and is supported by a concealed carrier system providing a flat monolithic appearance.

The system has been used in Prisons, Detention Centres, Public Changerooms, Sports Stadiums, Bus and Rail Stations, providing a high degree of security and protection.

SPAC Deckform is available in both perforated or non-perforated forms in various finishes.

Colorbond, Baked Enamel, Powder Coat, Clear Lacquer



- 1 NRC = 0.65 PERFORATED + 25MM BTF
- 2 NRC = 0.75 PERFORATED + 50MM BTF

Guaranteed Performance

INTEGRATED SYSTEMS & SUITES

AUDIBAR

Available with Ministrip, Forms, Linear 5 and Alumacoust MKII. The system is also available with Miniclosed, Alumacoust MKI and Deckform by attaching a flat notched strip to the face of an un-punched Audibar carrier rail.

Audibar is a compact purpose designed system which, with all components combined, has a total thickness of only 90mm (Ministrip System).

Gypsum barrier panels can be either 10 or 13mm board and can be R.E or S.E sheet. A 2700 x 1200mm sheet is used, cut into 3 x 1200 x 900 panels for ease of access into the plenum.

Surface mounted lights should be used because the light box penetrates the gypsum barrier and allows sound leakage.

If light boxes are encased the tube life decreases due to heat build up.

Black faced insulation batts (BTF) can only be to a maximum of 50mm thickness to fit inside the allowable space. The 25mm batt with the perforated panel performs as well as the 50mm batt with a non-perforated panel.

Suspension centres are normal, ie 1200mm apart down the carriers length.

Resilient suspension mounts (RSM's) are not necessary in normal applications. RSM's are only used in applications where structure borne sound is a problem.

There are no compromises with Audibar, the system is specifically designed to answer a need to solve 'sound problems'.

The Audibar system provides an STC of 48. You specify "Audibar"....you get quality.



PRE-CURVED CARRIER RAIL

The unique ACS Roll Formed 'T' profile carrier rail which is the universal carrier for all of the ACS Linear Strip range can now be purpose curved to a specified radius. Please consult with our Technical Sales Team regarding limitations.

Pre-curved carrier rails from ACS now ensure easy and accurate curved sections for those special vaulted ceiling applications.



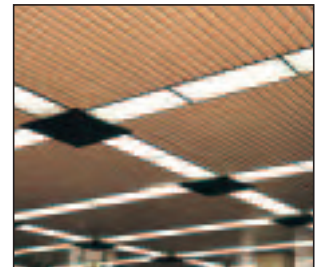
LIGHTING SUITES

ACS manufactures a diverse range of Recessed Light Reflector units for integration with our range of products.

These lighting suites can be continuous or isolated units. They can be combined with Linear Air Diffusers, for example the LAB3 suite.

A range of extrusions has been developed to provide a choice of finishes to the Recessed Lighting Units and these are all colour matched to the ceilings.

Likewise, other general fittings available on the open market can be integrated to suit the ACS Linear ceiling range.



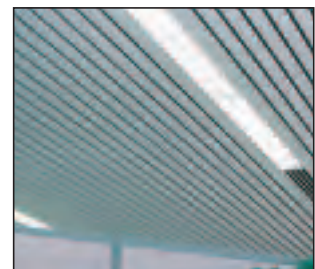
A/C SUITES

ACS over many years has developed a range of integrated suites to suit our ceiling systems and can provide the Architectural finish for the Air Supply or Return Air units.

ACS offer single or multiple Air slot linear diffusers, colour matched to the ceiling

system. Some of these suites can be combined with ACS lighting suites or they can be simply installed separately.

Likewise, the standard Grills and Diffusers available on the open market can all be integrated with the ACS Linear ceiling range.



CAUTIONARY NOTES

Aquatic Centre Ceilings

Due to the highly corrosive environment in enclosed aquatic centre buildings, special attention should be paid to excluding moist air from the roof structure and to correct ventilation.

Additional weight supports on suspended ceilings

Suspended ceiling structural components generally are designed to carry the load of ceiling components and insulation. Additional support may be required to carry some light fittings and air conditioning registers etc.

Recreation Complex Ceilings

Caution is recommended when specifying Rec Centre / Complex Ceilings as the support structure, acoustic insulation and face panelling require special attention, as standard installation will not be adequate no matter what make, style or type is preferred. Architectural Ceiling Systems Pty Ltd has had 25 years experience in the manufacture of these support systems and face panelling. The specifier is encouraged to discuss any project requirement personally with ACS technical representatives free of any charge in the interests of building a safe environment.

MINISTRIP BROADLINE

Provide ACS4A Carrier Rails, spaced at 915mm apart, suspended below upper supports and spanning not more than 1800mm between gangers. The Carrier Rails shall provide machine spaced and shaped clips to accept Ministrip Ceiling panels at exactly 75mm centres. The clipping face of the Carrier Rail shall be Matt Black painted.

Ministrip Ceiling panels (non-perforated or perforated) shall be Cold Roll formed strip and baked enamelled, to a colour to be selected from the ACS Colour Range.



The panels shall have a substantially flat face purpose Rolled profile appearance, spaced from each other leaving a 7.5mm gap.

Acoustic and Thermal Insulation to the thickness (25, 50, 75mm) shall be black faced with a non-woven Scrim and shall be laid over the Ceiling panels and between the upstand legs of the Carrier Rails.



ALUMACOUST MKI

Install ACS4C Carrier Rails spaced at 1200mm apart, suspended below upper supports and spanning not more than 1800mm between hangers. The Carrier Rails shall provide machine spaced and shaped clips, to accept Alumacoust MK 1 Ceiling panels at exactly 101.6mm centres. The clipping face of the Carrier Rail shall be Matt Black painted.

Alumacoust MK1 Ceiling panels (non-perforated or perforated) shall be Cold Roll formed strip and baked enamelled to a colour to be selected from the ACS Colour Range. The panels shall



have a bold convex face profile of 28.5mm depth, spaced from each other leaving a 12.7mm gap.

Acoustic and Thermal Insulation in a thickness of (25, 50 or 75mm) shall be black faced with a non-woven scrim, and shall be laid over the Ceiling panels and between the upstand legs of the Carrier Rails.

Closure strips (if required, plain or slotted for ventilation) shall be fitted as the installation of the face panels progresses.



ALUMACOUST MKII

Provide ACS4D-A or 4D-S Carrier Rails, spaced at 1200mm apart, suspended below upper supports and spanning not more than 1800mm between hangers. The Carrier Rails shall provide machine spaced and shaped clips, to accept Alumacoust MK 11 Ceiling panels at exactly 100mm centres. The clipping face of the Carrier Rail shall be Matt Black painted.

Alumacoust MK 11 Ceiling panels (non-perforated or perforated) shall be Cold Roll formed (Steel or Aluminium) strip



and baked enamelled, to a colour to be selected from the ACS Colour Range. The panels shall have a purpose Rolled shape profile 1.5mm concaved face appearance with splayed edges 82mm x 15mm deep, and will be spaced from each other leaving a 18mm gap.

Acoustic and Thermal Insulation to the thickness (25, 50, 75mm) shall be black faced with a non-woven Scrim and shall be laid over the Ceiling panels and between the upstand legs of the Carrier Rails.



MINICLOSED

Provide ACS4B Carrier Rails spaced 915mm apart, suspended below upper supports and spanning not more than 1800mm between hangers. The Carrier Rail shall provide machine spaced and shaped clips, to accept Miniclosed Ceiling panels at exactly 75mm centres - (*70mm).

Miniclosed Ceiling panels (non-perforated or perforated) shall be Cold Roll formed strip and baked enamelled, to a colour to be selected from the ACS Colour Range. The panels, shall have a purpose rolled profile face appearance and will



inter lap each other providing a closed surface.

Insulation (if required) shall be 25, 50 or 75mm in thickness and shall be laid on the back of the Ceiling panels & between the upstand legs of the Carrier Rails.

NOTE: External application shall require carriers at 600mm centres and may not require insulation backing.

* Please consult for clarification on module options.



LINEAR 5

Provide ACS4E Carrier Rails, spaced at 1200mm apart. Suspended below upper supports and spanning not more than 1800mm between Hangers. The Carrier Rails shall provide machine spaced and shaped clips to accept Linear 5 Ceiling panels at exactly 100mm centres. The clipping face of the Carrier Rail shall be Matt Black painted.

Linear 5 Ceiling panels (non-perforated or perforated) shall be Cold Roll formed (Steel or Aluminium) strip and baked enamelled, to a colour to be selected from the ACS Colour



Range. The panels shall have a purpose Rolled profile flat faced square cornered appearance 81mm x 12mm spaced from each other leaving a 19mm gap.

Acoustic and Thermal Insulation to the thickness (25, 50, 75mm) shall be black faced with a non-woven Scrim and shall be laid over the Ceiling panels and between the upstand legs of the Carrier Rails.



FORMS

Provide ACS4A Carrier Rails, spaced at 915mm apart. Suspended below upper supports and spanning not more than 1800mm between hangers. The Carrier Rails shall provide machine spaced and shaped clips to accept Forms Ceiling panels at exactly 75mm centres. The clipping face of the Carrier Rail shall be Matt Black painted.

Forms Ceiling panels (non-perforated or perforated) shall be Cold Roll formed strip and baked enamelled, to a colour to be selected from the ACS Colour Range. The panels shall have



a purpose Rolled profile flat face with 7mm radius lower corners 67mm x 22mm deep and will be spaced from each other leaving a 7.5mm gap.

Acoustic and Thermal Insulation to the thickness (25, 50, 75mm) shall be black faced with a non-woven Scrim and shall be laid over the Ceiling panels and between the upstand legs of the Carrier Rails.



SPAC DECKFORM

Provide ACS4F Carrier Rails, spaced at 1200mm apart. Suspended below upper supports and spanning not more than 1800mm between hangers. The Carrier Rails shall provide machine spaced and shaped clips to accept SPAC Deckform Ceiling panels at exactly 150mm centres. The clipping face of the Carrier Rail shall be Matt Black painted.

SPAC Deckform Ceiling panels (non-perforated or perforated) shall be Cold Roll formed strip and baked enamelled, to a colour to be selected from the ACS Colour



Range. The panels shall have a purpose Rolled flat closed profile with central rib 11.0 x 0.50mm deep, panels are to be profiled so as to provide a secure interlocking, inter-connecting assembly from panel to panel and carrier rail.

Acoustic and Thermal Insulation to the thickness (25, 50, 75mm) shall be black faced with a non-woven Scrim and shall be laid over the Ceiling panels and between the upstand legs of the Carrier Rails.





FORMAN
BUILDING SYSTEMS

Insulation, Ceiling and Wall Systems

Auckland: Phone: 09-276-4000 Facsimile: 09-276-5757
Hamilton: Phone: 07-850-8395 Facsimile: 07-850-8394
Rotorua: Phone: 07-348-0951 Facsimile: 07-347-1839
Wellington: Phone: 04-568-7132 Facsimile: 04-568-3413
Christchurch: Phone: 03-379-9329 Facsimile: 03-365-6118
Dunedin: Phone: 03-474-1800 Facsimile: 03-474-1600
FREE PHONE 0800 45 4000 www.forman.co.nz