

STUDCO - Leaders in Innovative Building Products

“You guys never fail to amaze me with your new products and helpful solutions.”

This is a common compliment paid to our staff, here at Studco Building Systems. So we decided to highlight a few of Studco's great product innovations in this issue of The Studco Update. But first, why is Studco so bent on improving existing systems and developing new ones? Driven by innovation and guided by purpose, Studco Building

Systems is determined to be the leader in delivering original solutions to the Australian building and construction industry. At Studco, creative thinking is a culture that is fostered and promoted at every level of operations, and everyone has a right to contribute to our continuous improvement program. The results: less labour, safer sites, faster build times and real cost savings.

Here's just a few examples of Studco's creative thinking, both great and small...

Studco M39 Locking Key

With safety thumb press.
Fantastic!



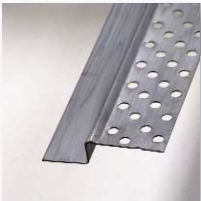
Studco M534 Spring Hanger

With pre-punched
fixing holes. Brilliant!



Studco Custom Shadowline

Any size. Any shape.
Excellent!



Resilmount Patented 'Sound Cell' Design

Wall & Ceiling clips with
one piece isolation mount.
Amazing!



Ezy-Reveal & Ezy-Cap

Clean lines. Fast and Ezy.
Ingenious!



Slimceil Ceiling System

Adjustable low clearance.
Superb!



Queensland & Victoria Flood Disaster

The devastation and destruction wrought by the recent floods in Queensland and Victoria has come close home to Studco, with some of Studco partners in the region being directly affected by this disaster. Many families have lost loved ones or property and Studco Building Systems would like to express their compassion and sympathies to the communities affected. Both Studco management and Studco staff personally have made substantial donations to the appeal funds and we urge you to do the same. Regardless of how insignificant your contribution may seem, remember that it's only as a united front that we will rebuild lives and property. Enlist your support by donating at www.redcross.org.au.

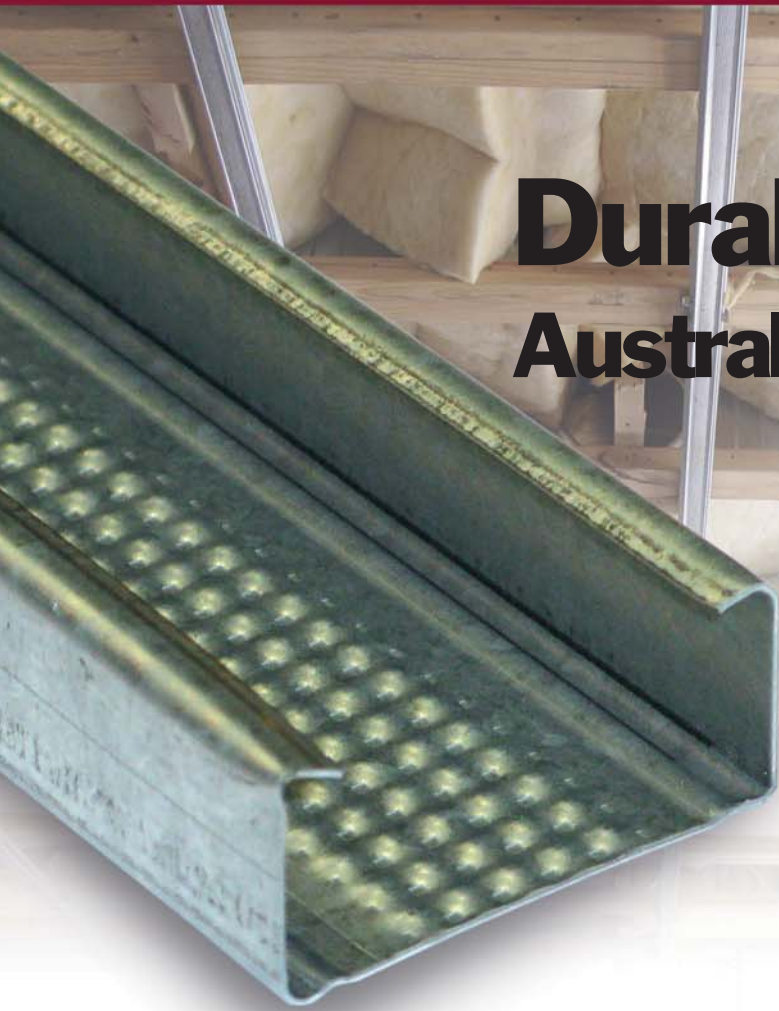




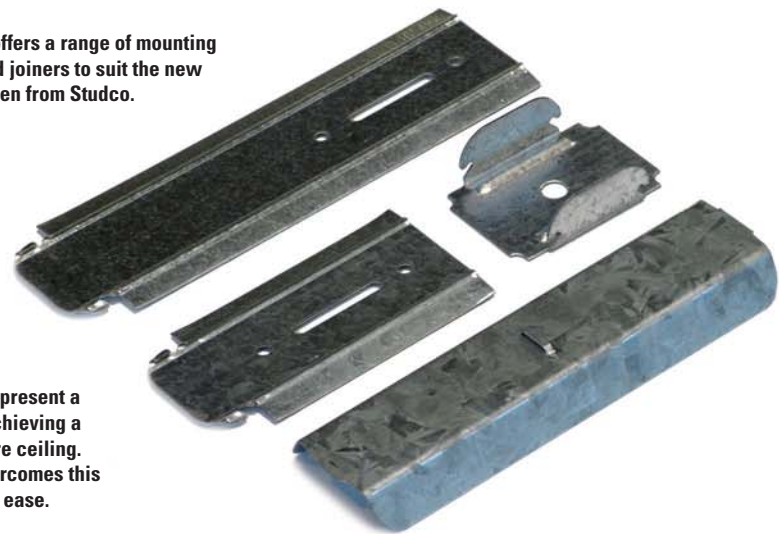
Durabatten - Australia's Ceiling Batten

The popular Studco M301 ceiling batten has just got better, with a recent upgrade to Studco's manufacturing process and an improved section profile.

Traditionally used in domestic house ceilings throughout the southern states of Australia, the primary role of the Studco M301 ceiling batten is to create a level structure below the bottom chord of the roof trusses for fixing the ceiling lining boards to. When used in conjunction with the Studco M13 or M16 batten clips, the height of the Studco M301 ceiling batten can be easily adjusted and levelled. There are two versions of the new Durabatten available: 16mm high profile (M301) and 23mm high profile (M302). The Studco M302 ceiling batten can achieve greater spans due to improved rigidity. ■



Studco offers a range of mounting clips and joiners to suit the new Durabatten from Studco.



Timber trusses present a challenge in achieving a level and square ceiling. Durabatten overcomes this challenge with ease.

STUDCO's Other Popular Batten Profiles...



Studco M303
24mm cyclonic ceiling batten



Studco M304
24mm heavy duty external batten



Studco M333
13mm low profile batten

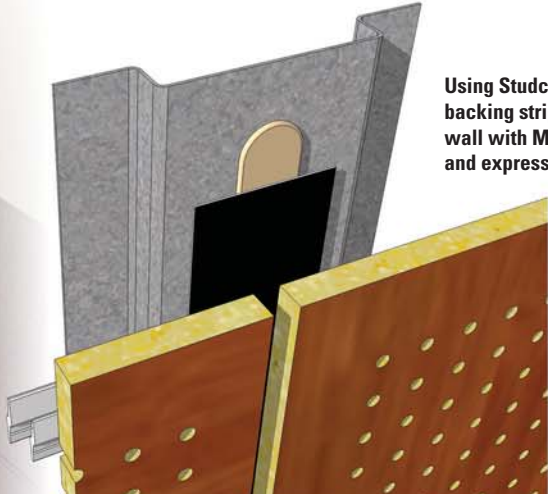
Get On The Midnight Express!

Achieving that sharp, black express joint has never been easier.



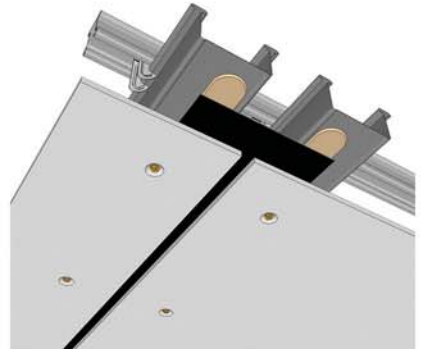
Studco Building Systems is pleased to announce the arrival of Studco GSB Backing Strips: a black backing strip, suitable for use in internal express joints in walls and ceilings. Manufactured from Bluescope Colorbond quality steel, the versatile strips are available in 50mm wide and 100mm wide and they are 3.0 metres long. Express joints offer a very smart, contemporary finish to feature walls and ceilings in offices, apartments and entertainment venues. Typically, express joints require consideration of two important factors: the width of the supporting batten and the easiest way to achieve a contrasting rebate.

The batten width is highly important because the edge distance from the corner of the lining board to the screw hole, is vital with both fibre cement sheet and MDF panels. See the drawings below for the best way to achieve a guaranteed finish. To help achieve the high contrast rebate, Studco has developed the Studco GSB backing strips range to provide a sharp black line, quickly, easily and consistently. Please note that the Studco GSB Backing Strips should not be used in external applications where an impermeable seal is required. ■



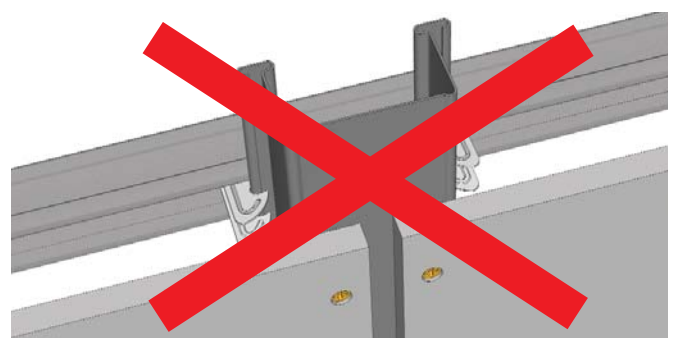
Using Studco's GSB50 backing strips in a feature wall with MDF panelling and express joints.

Express joints are popular in ceilings using fibre cement sheeting. This example uses the Studco GSB100 backing strip and two Studco M29 furring channels to achieve the correct edge distance as per the CFC sheet manufacturer's recommendations.



DID YOU KNOW?

Major manufacturers of fibre cement sheet products recommend a minimum edge distance of 40mm. Keeping your screws away from the edge of the board will stop cracking and protect your board warranty. This means that you need a fixing surface with no less than 90mm between centres. Using two Studco M29 furring channels side by side will achieve this distance. Studco has seen several real-life examples where contractors have purchased our competitor's products and wrongly assumed that a wide furring channel (marketed as an express joint furring channel) will meet the minimum edge distance requirements of the lining board manufacturers.



Ezy-Jamb Brochure

NEW

Revised and updated for 2011

- Glossy 16 page full colour brochure
- Dozens of new photos
- Includes Ezy-Jamb Cavkit system
- Lots of installations applications
- Technical information for sizing
- Showcases other associated products

ORDER YOUR COPIES NOW

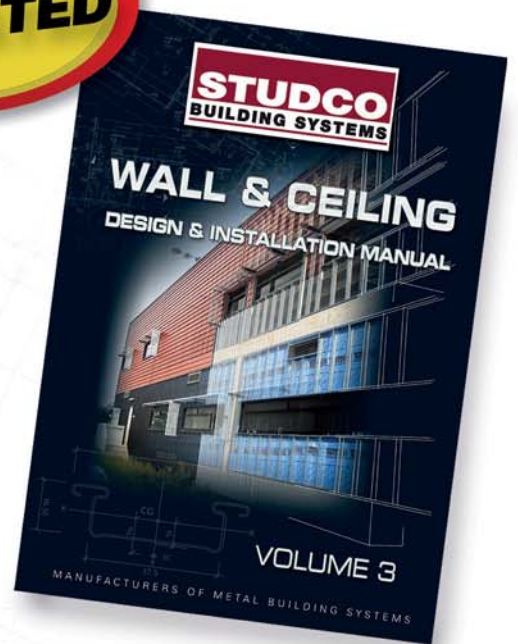


Design Manual

UPDATED

The popular Wall & Ceiling Design & Installation Manual from Studco Building Systems has been revised and updated to reflect recent changes to the Building Code Of Australia and other building standards. The Studco Wall & Ceiling Design & Installation Manual is a highly informative, easy to read manual which is designed to assist builders and contractors when installing Studco products in the field. There's lots of drawings and images that illustrate various products and applications, making the manual easy to follow.

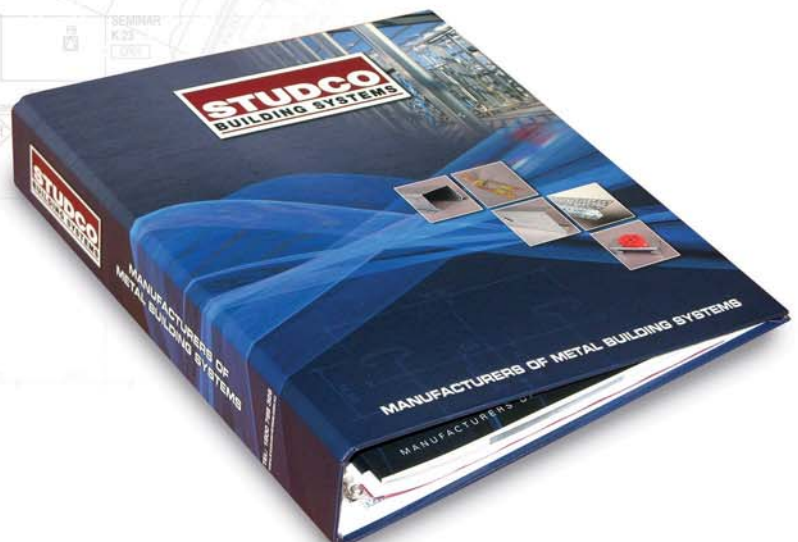
ORDER YOUR COPIES NOW

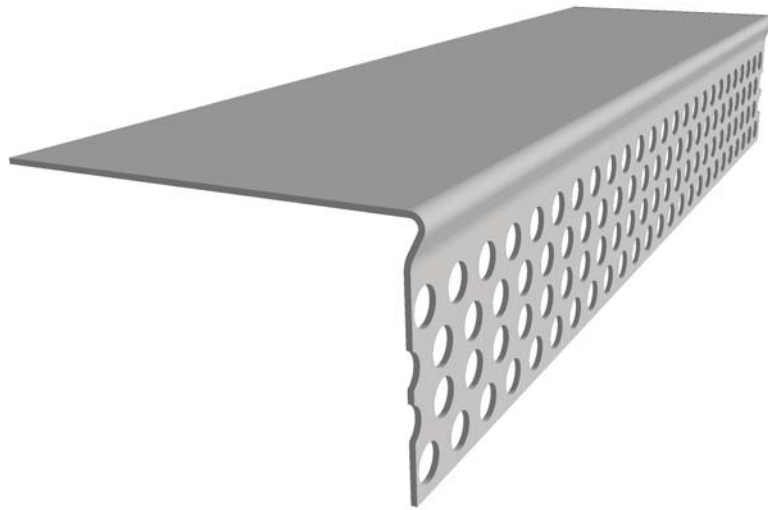


Update Your Studco Folder

To get your copy of all the latest Studco literature, go to www.studcosystems.com.au/contactus and list out the literature you need;

- Studco Product Catalogue (2010)
- Studco Design Manual (2011)
- Ezy-Jamb Brochure (2011)
- Ezy-Jamb Instructions (2010)
- Ezy Finishing Brochure (2010)
- Resilmount Brochure (2010)





**It's not hard to copy
someone else's ideas.**

**What they can't copy is
Studco's unbeatable service.**

It takes years of dedicated hard work from a dynamic team of professionals to earn a reputation as a national industry leader.

For nearly 30 years, Studco Building Systems has become renowned as the leading innovators of building products that save you time, save you money and save the environment.

And as our valued clients will testify, our exceptional customer service has been the leading benchmark within the building industry for just as long.



Tight radius curves, swept bends and circular features are all possible with Studco Ezy-Track

Why does everyone love Studco Ezy-Track?

Curved walls and radius features in walls can be easily and quickly constructed using Studco's Ezy-Track system.

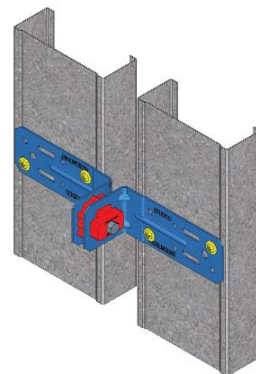
Available in 51mm, 64mm, 76mm, 92mm and 150mm, the Studco Ezy-Track is an ingenious system that is superior to all other flexible tracks currently available. Studco Ezy-Track can be shaped by hand or against a template, then the track is locked into this shape by fixing through the side strap to the flexible segments at regular intervals. Once locked off, the track can then be manoeuvred, handled and fixed into position without losing its shape. This enables you to make complex shapes easily and also make several tracks of exactly the same shape. The entire process is very quick and simple, and can easily be altered at a later time to accommodate changes. On your next project with curved walls, why not give Studco Ezy-Track a go? ■



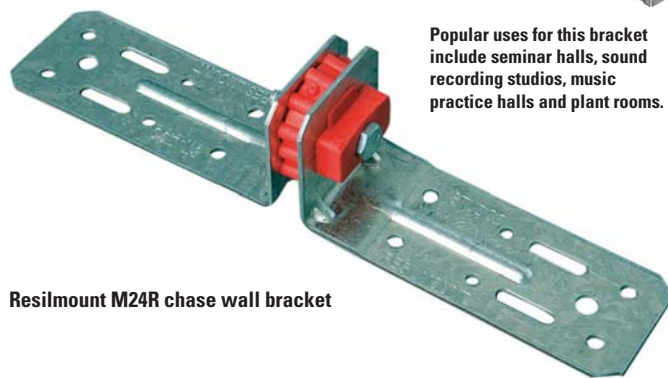
Studco Ezy-Track can be locked into shape, so that complex curves can be easily formed and making repetition shapes is very simple.

Chasing Better Acoustic Ratings?

An effective means of acoustic isolation in sensitive environments is a chase wall. The term chase wall refers to two walls built side by side with an airspace between them, thus forming a 'discontinuous structure'. As the two walls are not linked in any way, except at the top and bottom connection to the structure, noise vibrations cannot pass through the wall structure. In some instances, the overall wall heights make a chase wall system unsuitable because of the extensive span. But this can now be overcome by using the Resilmount M24R chase wall bracket from Studco Building Systems. This acoustic bracket bridges between the two wall structures and braces them against each other. Using the Resilmount M24R chase wall bracket does not compromise the acoustic properties of the chase wall as a solid brace would and greater height spans can be achieved. Talk to Studco engineers today about how you can use the Resilmount M24R chase wall bracket in your next project. ■



Popular uses for this bracket include seminar halls, sound recording studios, music practice halls and plant rooms.



Resilmount M24R chase wall bracket

The new home of Studco USA truly offers one of America's most modern and efficient manufacturing operations for producing metal building systems.

Defying the critics and the trend of a slowing economy, Studco USA has grown from strength to strength since it was established in 2004, resulting in the construction of this massive purpose-built manufacturing facility. Studco USA is a sister company to Studco Australia and us Aussies greatly benefit from this link, by being able to access industry information and cutting edge technology from one of the world's largest markets. ■

It's All Go At Studco's New Plant

Studco's new purpose-built facility



Australia's First Carbon Neutral Office Building

The office of the future has arrived.

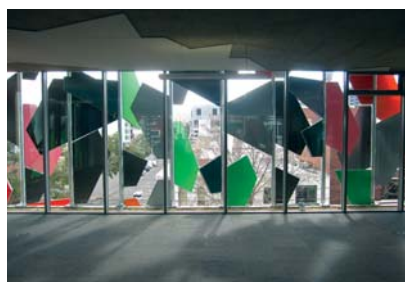
Right here in the heart of Melbourne city's university precinct, Grocon has constructed a carbon neutral office complex that has achieved the highest Green Star score ever awarded by the Green Building Council of Australia and is possibly the greenest office in the world.

Check out some of the amazing features of this project...

- Water balance – will become self sufficient for water supply
- Free night cooling – smart window technology for “night purging”
- Tracking and fixed photovoltaic panels – solar power
- Wind turbines – high performance electricity generation
- ‘Pixelcrete’ environmental concrete – embodied carbon within the concrete mix
- Daylight glare control – no need for window blinds
- Vacuum toilet technology - reduce the water consumption to a minimum
- Anaerobic digester – methane is extracted from blackwater waste from toilets and kitchen and used to power hot water heaters. The hot water heaters provide the hot water to the showers that subsequently produce the grey water that irrigates the reed beds
- Chilled structure – water runs through the concrete slabs for ambient cooling

Grocon and Studco share a core values set: innovation and sustainability. And as a recognised industry leader in responsible manufacturing processes, Studco Building Systems was chosen as the supplier of choice for all the metal building systems used in the walls in the Pixel building.

In the coming months, you will see Studco maintain the lead as an environmentally responsible company, with many new and exciting developments currently under way. Stay tuned for progress. ■





ARE YOU USING REAL STUDS?

DON'T GET BITTEN!

**Insist on
Australia's favourite
steel stud system
from Studco...**



Highest quality Bluescope steel



Engineered profile for strength



Backed by Studco warranty



Technical support & after-care

TECH TIPS

How To Build A Lightweight Steel Lintel – Part 1 of 3

In our June 2010 edition of The Studco Update, we covered some basic points relating to openings in internal walls. This article sparked a lot of interest and we are going to develop this topic further, over a series of three articles.

Many openings for windows and doors require special design consideration to ensure that the weight of the wall above the opening is suitably catered for and to ensure that any pressure (wind force) applied to the opening will not compromise the structural integrity of the opening.

The most common method of strengthening an opening is to install a substantial lintel. Most engineers would simply state that a structural lintel is required for the opening but a standard heavy-duty lintel poses a considerable problem when used in steel stud walls... "How do I connect the lintel to the jamb studs?"

The answer is simple: by ignoring structural steel options and looking at some lightweight systems that have been engineered and tested for compliance.

But more on this later.

"Right now, I need to know when should I use a lintel?"

You can apply a couple of basic rules to check whether you need to 'beef up' your opening...

- Is the opening on an external wall?
- Is the opening inside but subject to considerable wind forces from outside?
- Is the opening wider than 1.6 metres?
- Is the wall height above the opening greater than the opening itself?
- Is the lining material heavy or multi-layered?
- Is the opening in a chase wall or a wall lined on one side only?

If you have answered yes to any of these questions, then you can be sure that your opening needs a lintel system of some sort. In the next two editions of The Studco Update, we'll cover how you can easily accommodate a lintel into your opening. ■



A lintel system used in a loading dock, where there is a large amount of lined wall area above the door opening.



This complex sill and lintel system was recently installed around a window opening in an acoustic chase wall in a media studio.