architecture<u>nz</u>

Specifier products guide

ISSUE 19 | SUMMER 2020





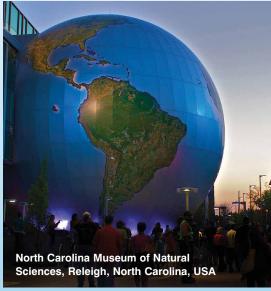


Proven Installation Systems for Tile and Stone Applications

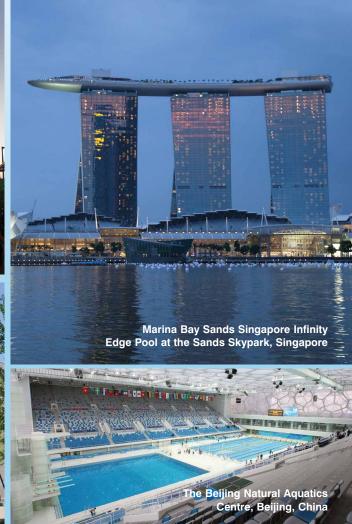
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Specifier products guide SUMMER 2020















23 The Fireplace

24 New Zealand

Panels Group

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The Specifier Products Guide 2020 is a special supplement to Architecture New Zealand. Architecture New Zealand is published bimonthly by BCI New Zealand Pty Ltd, Level 2, 409 New North Road, Kingsland, Auckland, New Zealand. Postal address: Private Bag 99915, Newmarket, Auckland 1149, New Zealand.

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Contents

02 Global Tile

06 Tasman Insulation

07 Mitek

08 INZIDE

09 ACO

10 Sealed Air

II Selleys

12 RoofingSmiths

14 Waterproofing

Systems

15 Northpine

16 Rockcote

17 Harrows

18 Soudal

19 Crestline

20 AIS Equinox

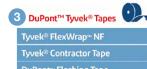
22 Décortech



ON THE COVER Wanaka Wedge House, Central Otago.







(= Fire Retardant



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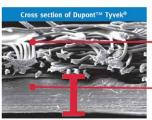
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AO ARCHITECTURE

MITEK - QUALITY IS MORE THAN MAKING A GOOD PRODUCT



ADNZ MEMBER, MICHAEL JOHN OF AO ARCHITECTURE, STARTED HIS FIRM IN 2011 AND HAS BEEN SPECIFYING MITEK ON PROJECTS SINCE BECOMING AN ARCHITECTURAL DESIGNER.

One of Michaels recent projects, Mount Gold Place, received two major awards in the Otago/Southland ADNZ Resene Architectural Design Awards. The Lake Wanaka home won joint place in the Residential New Home over 300m2 Architectural Design Award category and the Resene Colour in Design Award.

Michael says he selected MiTek because of its reputation and that it is ubiquitous in the building industry. With the use of MiTek products, Michael and the engineers involved were able to complete elements of the SIPs panel house in a non-standard way. Added trusses were designed over the garage wing for storage and a lot of non-standard connections were made using MiTek's CPC fixings, bolts and brackets. A number of MiTek products were used on the project including lintel fixings, straps, metal angles bracing roof, veranda brackets, CPC fixings for hold downs in all the SIP's panels (GIB HANDIBRAC®), joist hangers for roofing and floor joists, stainless joist hangers and multi grips for deck and truss was designed by MiTek Software.

Michael said MiTek makes life easier than standard 3604 / NZBC detailing and that products have proven to work well on site.

"MiTek offer easier solutions, the products are easier to use onsite and easier for us to specify," says Michael.

After having recently attended a seminar by MiTek, Michael likes that the brand continues to be innovative and was impressed with their new screw fixings.

So how does MiTek stay innovative and go about developing new products and taking them to the market?

With a passion for engineering, design, functionality and of course quality, MiTek is continually looking to develop ideas and provide the very best solutions to suit the specific requirements of the NZ Building Code.

On the development of an idea, a team of engineers look into the NZ building code to deliver better solutions. Once the decision has been made to go ahead with a product, and the material and the design have been determined, the individual product traits are specified with the manufacturing team and quality management department. Following this, marketing and sale professionals and quality developers are responsible for the product launch, its planning and execution.

The process doesn't end after products are shipped to customers. Regular monitoring of the product performance, manufacturing process - whether on the basis of product samples or on site - is an essential component of quality assurance for MiTek.

MiTek know it's critical to provide design and development support throughout the product lifecycle that translates into higher quality products and improved customer satisfaction. MiTek sales staff and customer services ensure that issues are captured accurately, acted upon, and resolved as quickly as possible.



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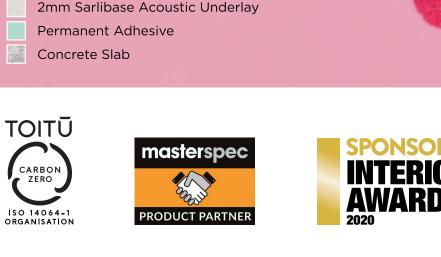
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Permanent Adhesive

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DOES YOUR THRESHOLD DRAINAGE MEET CODE?

If you're a builder or subcontractor, code compliant level threshold drainage is easier to achieve than you might think.

The design of a level threshold

drainage system is not as simple as it first seems. The E2 Building Code is very prescriptive in what will be allowed. Let ACO help with choosing the correct product for your application.

E2 Building Code

Clause 7.3.2.1 of the Code lists the requirements for an acceptable solution for level threshold drainage:

- A channel that is 150mm deep, 200mm wide
- Maximum channel length of 3.7m
- 1:200 minimum fall to outlet

The grating over the channel must:

- Be able to be fully removed for maintenance
- Be supported independently of the door frame, without spacers
- Have a continuous gap of 12mm

To meet E2 Building Code, a cast in-situ channel is required with a grate that does not rely on the channel base or door joinery for support. Legs sitting in the channel base can impact waterproofing quality and obstruct water flow to the outlet. A complete blockage of the channel can even cause water to back up into the cladding cavity.

ThresholdDrain

ACO's level threshold drainage products fully comply with the E2 Building Code requirements. ACO Cantilever ThresholdDrain is supported by the cantilever arm and ACO OnePour ThresholdDrain is a bolted bracket system that uses the landscaping concrete for its support.

Cantilever ThresholdDrain is ideal for tile and paved exteriors and can be scheduled so the landscaping contractor is not interfering with the

installation of the drain. OnePour ThresholdDrain is perfect for concrete floor finishes. Neither product requires a rubber spacer or leg for structural integrity.

Alternative solutions

If site conditions allow, a precast grated channel or slot drain can be installed against the building as a level threshold alternative solution. This is often quicker and easier to install and means outlets can be spaced up to 80m centres. Product selections include ACO KlassikDrain or Brickslot, and PowerDrain for heavy duty traffic applications.

Alternative solutions need to be addressed on a project-by-project basis. To meet consent, most councils require manufacturers' calculations to demonstrate performance. ACO offers a free hydraulic design service and can provide product details at all stages of the project.

Call or email ACO today.

ABOVE: ACO KlassikDrain KS200 with Wedgewire Heelsafe anti-slip 5 star grate at

CENTRE RIGHT: ACO Cantilever

ThresholdDrain with Stainless Heelsafe longitudinal grate at the ASB Waterfront

RIGHT: ACO Cantilever ThresholdDrain with Ductile Iron Heelsafe anti-slip grate at Christchurch Justice & Emergency Services Precinct -Te Omeka







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ACOUSTIC MATERIAL OF THE FUTURE

Featuring Stratocell Whisper, a new acoustic product designed to deal with common issues faced when using conventional acoustic materials.

Stratocell Whisper® is a polyolefin

foam manufactured by Sealed Air, where networked closed cells form a matrix of honeycomb-like cavities to efficiently absorb noise using minimal material.

In restaurants, classrooms, recreation facilities and industrial applications, it's important to have acoustic absorption that is washable, impact resistant, and can tolerate long-term moisture exposure. Stratocell Whisper® is perfect for these applications as dust, dirt and water do not adhere to its low surface energy faces.

Independently verified to maintain acoustic absorption following 28-day condensing moisture exposure, Stratocell Whisper® excels when the

going gets tough. When you need to control reverberation, Stratocell Whisper® FR is a safe choice for interiors with a Group 1-S fire rating from BRANZ and the Danish Society of Indoor Climates' rigorous particle emission standards.

50mm FR product features an NRC of 1, and a weight of 1.25 kilograms per square metre. Stratocell Whisper® can be easily cut, shaped, bent and installed in ways that can set your creativity free. Stratocell Whisper® also improves transmission losses with a RW of 13.8 at 50mm in isolation.

Specify Stratocell Whisper® FR for interiors and Stratocell Whisper® UV for outdoor acoustic applications; contact us for further information.





ABOVE CENTRE: A restaurant in Bolzano Italy using custom cut

in Wellington, New Zealand using vertica









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which is a solvent free advanced polymer technology formula.

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Selleys'® range of timber flooring products have been developed to support trends in

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against moisture vapour transfer, the original Liquid Nails® Direct Stick™ which has

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14 SPECIFIER GUIDE SPECIFIER GUIDE SPECIFIER GUIDE



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Waterproofing Membrane

Gripset 38 FC is a nextgeneration, water-based, fastcuring, fibre-reinforced, SBR latex membrane designed for waterproofing tile-finished wet areas, showers and laundries. Compliant to AS/NZS4858:2004 and AS4654.1:2012, Gripset 38 FC satisfies the requirements of AS3740:2010 and AS4654.2:2012 for waterproofing to internal areas.

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Gripset Elastoproof is designed as a bond breaker system to accommodate longitudinal, lateral and transverse movement. It provides high elongation and rupture resistance, with elasticity of up to 100% recovery.

The system includes a bond breaker joint band, prefabricated corners, base collars, multipurpose self-adhesive tape and self-adhesive squares.

C-Bed Screed

Gripset C-Bed is a premium, polymer-enhanced, high-performance screed for forming falls in wet area showers. Its unique formulation provides excellent water resistance and high strength properties. Gripset C-Bed can form part of the Gripset 38 FC Masterspec and Warranty system.

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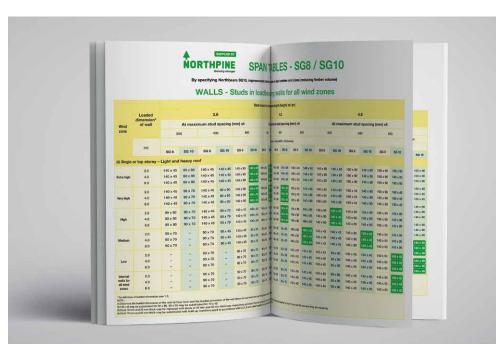


 $\textbf{ABOVE:} \ \textbf{Application of the easy-to-use Gripset Elastoproof bond breaker system}.$





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ABOVE: Northbeam was chosen for the new wharf at Camp Bentzon, Kawau Island.

LEFT: Northbeam was chosen for this home in Bream Bay and then painted.

A set of Span Tables based on NZS3604:2011 is freely available online.

SG8 / SG10 SPAN TABLES HELP SPECIFIERS

Specifying Northbeam timber beams and square posts can increase spans, improve stud centres and reduce timber volumes. The tables are free to download online.

Northbeam timber beams and

square posts are now available via building supply merchants nationwide. They are extremely strong and dense, in lengths of up to 7.2 metres, with a wide range of uses.

Stuart Dale, director of consultancy firm Architectural Promotions, talks frequently with architects, engineers, designers and specifiers. He gets to hear about the many issues facing them as they strive to deliver innovation and efficiencies for their clients.

One of Stuart's clients is Northpine, manufacturers of the Northbeam product range.

"Northbeam can be used for many purposes – sub-floor, lintels, joists, rafters and so on... but also for decks, exposed beams, walkways and pergolas. They are extremely strong and dense beams and posts, capable of taking big loads."

Northpine's mill at Waipu is set up to process beams and posts of SG8 and SG10 up to 7.2 metres long. (Most mills have a maximum length of 6 metres.)

The advantages of Northbeam are numerous – increased spans, improved stud centres and reduced timber volumes.





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Harrows collaborates with architects

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Let's make it. Local.

It's a family thing. Led by three brothers who learnt the craft of furniture making from an early age, Harrows has three generations and over 30 years' experience in furniture making. We're able to bring our own designs, innovations and NZ-Made collections to the market. In 2019 we launched our Banquette Revolution, a complete banquette solution that delivers a finished banquette with the soft fit out.

Let's make it. Social.

At Harrows, we define hospitality as much more than the traditional restaurant, but a broader concept to encompass any space designed with the intention of bringing people together. It's the ability to leave people better off for having experienced such a space. We specialise in these 'social spaces'; from cafés, bars and restaurants through to office cafeterias, meeting rooms, universities, libraries and airports.

Your go-to furniture supplier for social spaces.

TOP LEFT: Corner Burger, Newmarket. Made by Harrows, the booth seats capture the feeling of a traditional American diner in a contemporary way. Designer: Material Creative

TOP RIGHT: Office and Meeting Spaces. This interior fit out at DB Interiors' own office showcases the versatility

of the Harrows collection.

ABOVE LEFT: Three Seven Two, Waiheke "When the chairs arrived, I was struck by how they really matched that authentic yet unpretentious feel we were trying to achieve." Helen Carter, Owner. Designer: Ctrl Space

ABOVE RIGHT: Nelson Airport. Social spaces of the largest kind where the client requested one point of supply for furniture Designer: Studio Pacific Architecture



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As the winner of six international

design awards, with 1.6 million T50s sold in the 10 years since its launch (30,000+ of these currently in use throughout New Zealand), you only need to sit in this chair once to realise why people all around the globe, of all ages, shapes and sizes, choose to sit in the T50.

Sit in it all day and still go home feeling great. This is truly one of the world's most popular ergonomic chairs.





"We worked closely with Crestline and Gaze Commercial to find the right furniture to meet the needs of our space and our 1200 employees. After extensive analysis and on-site trials, the Sidiz T50 chair was also chosen as one of our 'chairs of choice' going forward. Throughout the course of this project, we have purchased over 1000 T50 chairs and we continue to choose this chair because of its unparalleled combination of ergonomic features, comfort and value for money." Emma Platt - Datacom NZ



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20 | SPECIFIER GUIDE SPECIFIER GUIDE | 21

















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With complimentary registration, specifiers are invited to experience the intimate and relaxed environment of Equinox, complete with cocktails, canapés, showbags, prizes and expert presentations. Broaden your horizons and network with the best-of-the-best product suppliers, practices and professionals in the industry. Join us at Equinox.

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ABOVE: MIT Manukau & Transport Interchange, FSC Certified Silver Beech veneer & Custom Perforations.

TOP RIGHT:

Rawhiti Estate, Firesafe MDF with Tasmanian Ash Veneer & Multigroove Perforations Interior. Trespa Meteon Elegant Oak PXF System on

CENTRE RIGHT: St Andrew's College

Chanel - American White Oak Veneer Interior with Trespa Meteon Elegant Oak PXF System on the soffits.

RIGHT: Mercury Fitout, Firesafe Decorply Plywood with Multigroove Perforations.



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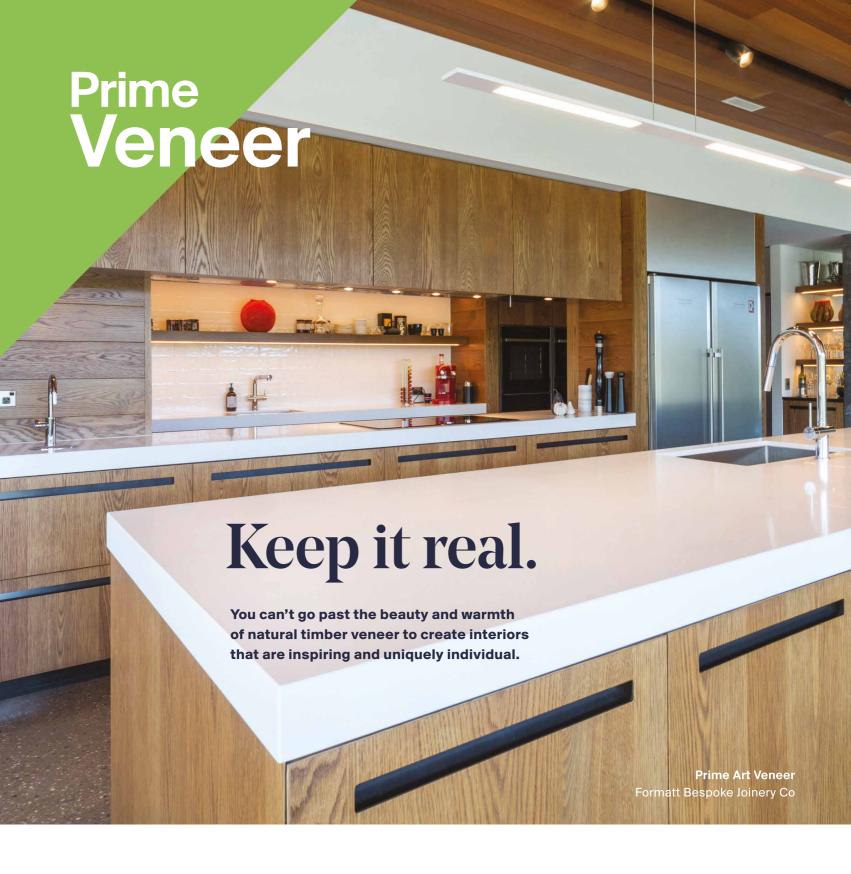




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