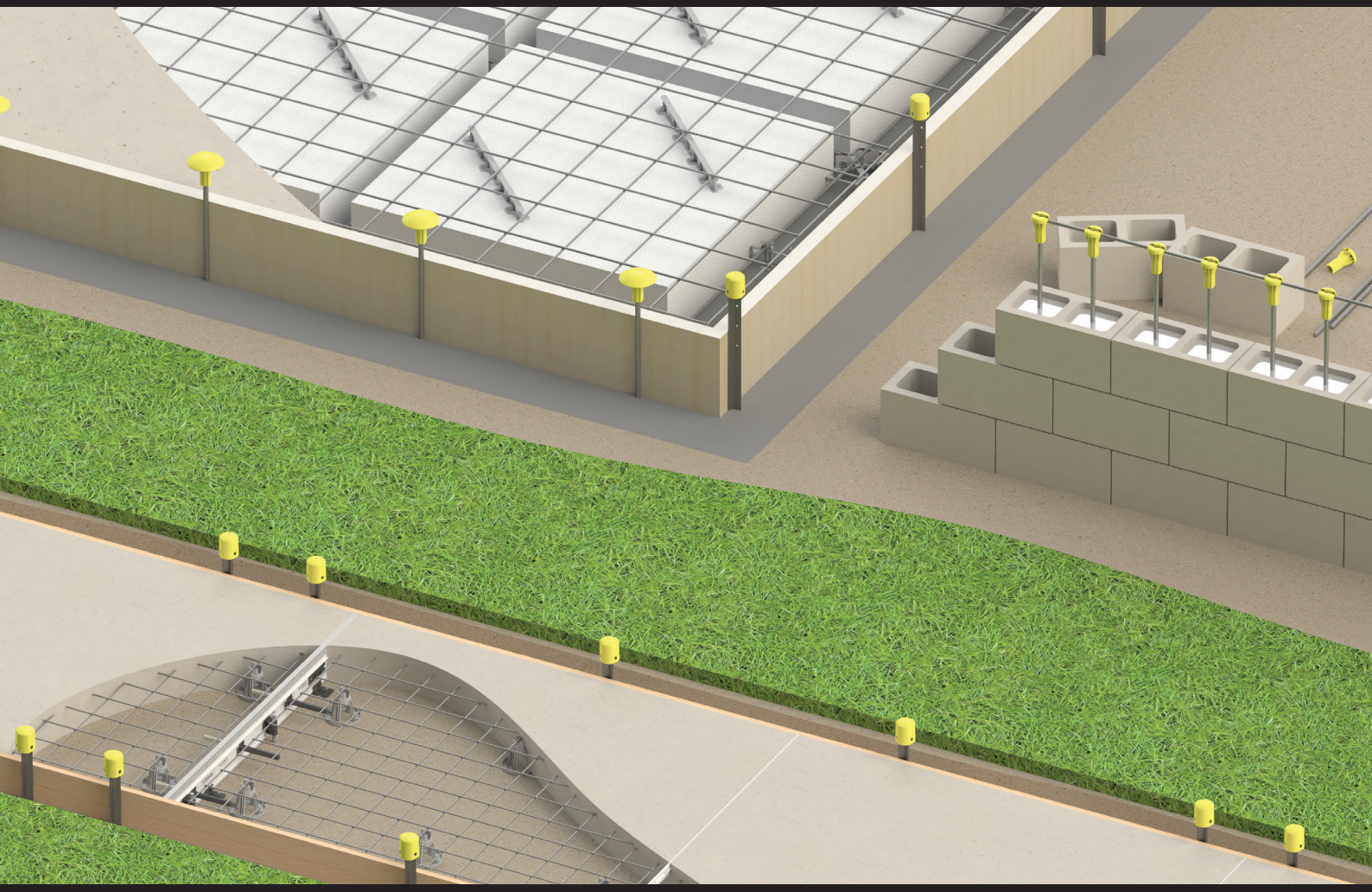
DANLEY™



NZ | 2026

Plastic Chairs, Spacers & Safety Caps

Product Catalogue

Our plastics are compliant and made from 100% recycled materials.

NZBC Compliance

Compliance statement

Danley plastic chairs and spacers complies with the New Zealand Building Code clauses identified below.

Compliance details: NZBC

NZBC Clause	Criteria	Compliance Status
B1.3.1	'Buildings, building elements and sitework shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during construction or alteration and throughout their lives.'	
B1.3.2	'Buildings, building elements and sitework shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during construction or alteration when the building is in use.'	
B1.3.3 (a), (b), (d), (e), (f), (g), (h), (j), (q)	'Account shall be taken of all physical conditions likely to affect the stability of buildings, building elements and sitework, including: (a) Self weight, (b) Imposed gravity loads arising from use . . . (d) Earth pressure, (e) Water and other liquids, (f) Earthquake, (g) Snow, (h) Wind . . . (j) Impact . . . (q) Time dependent effects including creep and shrinkage.	
B1.3.4	'Due allowance shall be made for: (a) The consequences of failure, (b) The intended use of the building, (c) Effects of uncertainties resulting from construction activities, or the sequence in which construction activities occur, (d) Variation in the properties of materials and the characteristics of the site, and (e) Accuracy limitations inherent in the methods used to predict the stability of buildings.'	
B2.3.1 (a)	'Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or: (a) The life of the building, being not less than 50 years, if (i) Those building elements . . . Provide structural stability to the building, or (ii) Those building elements are difficult to access or replace, or (iii) Failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building.'	
F2.3.1	'The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.'	

All Danley™ plastic chairs and spacers meet the building code requirements for durability B2 Durability, B2.3.1

AS/NZS 2425:2015 Compliance

What is AS/NZS 2425:2015?

AS/NZS 2425:2015 bar chairs in reinforced concrete - product requirements and test methods **is a mandatory standard that covers minimum durability requirements for chairs and spacers used in concrete construction. All plastic chairs and spacers used in reinforced concrete construction MUST comply with the requirements of AS/NZS 2425:2015.**

Are you using AS/NZS 2425:2015 compliant bar chairs & spacers? What is at risk?

- Unsatisfactory manufacture and application of bar chairs and spacers can lead to the misplacement of steel reinforcement.
- This in turn, may compromise structural strength and reduce the durability of reinforced concrete.
- Asset Owners, Engineers, Suppliers and Building Surveyors are responsible for ensuring that compliant products are manufactured, specified and installed on construction projects.

How do we comply?

As a trusted and leading supplier of plastic chairs & spacers, ITWCS complies with the testing requirements of AS/NZS 2425:2015, by ensuring:

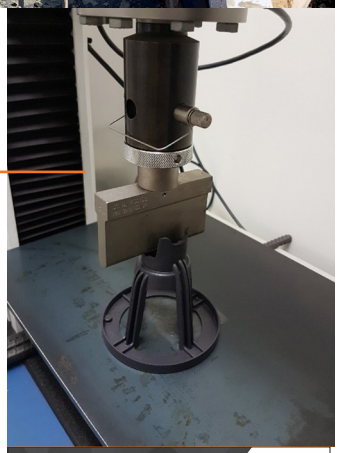
- We conduct ongoing batch testing.
- Test chairs & spacers to strength grade categories of 60kg, 120kg, 200kg and >300kg.
- Pre-load test specimens to 20kg.
- Under pre-load: Chairs <75mm to deflect ±1mm. Chairs ≥75mm to deflect ±2mm.
- Test chairs at 30°C (±2°).
- Apply load to test samples for a minimum duration of 1 minute.
- Deflection under load ±3mm.
- After applied load, the final recovered position of the test specimens must be <2.0mm.
- All test results are to be recorded and retained for a minimum duration of 2 years.
- Packaging must clearly identify the supplier details, strength rating and batch test traceability.

PROUDLY MADE IN AUSTRALIA.

Danley™ plastic chairs & spacers are manufactured in our ISO 9001 Accredited Facility.

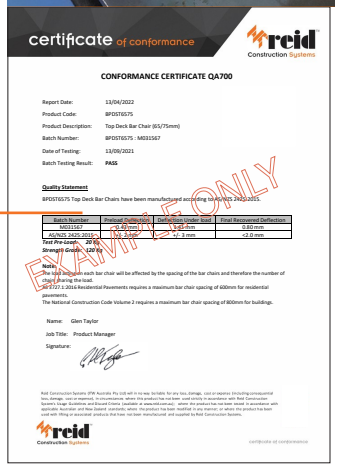
Australian & New Zealand Standard AS/NZS 2425:2015 is now mandatory.
Do your bar chairs and spacers comply?

Every batch of Danley™ chairs and spacers we manufacture are tested in our NATA endorsed facility in Melbourne.



Certificate of Conformance:

Available on request, ITWCS can provide a Certificate of Conformance for plastic chairs & spacers manufactured in our ISO 9001 Accredited facility.


certificate of conformance

reid Construction Systems

CONFORMANCE CERTIFICATE QA700

Report Date: 13/04/2022
Product Code: BPDST6575
Product Description: Top Deck Bar Chair (65/75mm)
Batch Number: BPDST6575 : M031567
Date of Testing: 13/09/2021
Batch Testing Result: PASS

Quality Statement

BPDST6575 Top Deck Bar Chairs have been manufactured according to AS/NZS 2425:2015.

Batch Number	Preload Deflection (under load)	Deflection Under Load	Final Recovered Deflection
M031567	0.40mm	1.41mm	0.80 mm
AS/NZS 2425:2015	Not Stated	+/- 3 mm	<2.0 mm

Test Pre-Load: 20 Kg
Strength Grade: 120 Kg

Note:
The load applied to each bar chair will be affected by the spacing of the bar chairs and therefore the number of chairs sharing the load.
AS 2727.1:2016 Residential Pavements requires a maximum bar chair spacing of 600mm for residential pavements.
The National Construction Code Volume 2 requires a maximum bar chair spacing of 800mm for buildings.

Name: Glen Taylor
Job Title: Product Manager
Signature:

EXAMPLE ONLY

All Danley™ plastic chairs and spacers comply with the requirements of AS/NZS 2425:2015

Combination Bar Chairs:

Part	Description	Grade	AS/NZS 2425 Rating	UoM	Pack Qty	Pallet Qty	Pallet Height (mm)	Pallet m^3
BC2540	Combination Bar Chair 25/40mm	A	120	PK	100	5,000	1,000	1.44
BC5065C	Combination Bar Chair 50/65mm	A	120	PK	100	6,000	1,300	1.87
BC7590C	Combination Bar Chair 75/90mm Clip-On	A	120	PK	100	4,000	1,100	2.16
BC85100	Combination Bar Chair 85/100mm	A	120	PK	100	4,000	1,500	2.16

Notes:

Combination Bar Chair Clip-On (BC5065C and BC7590C)
The easy to use, push-on clip mechanism allows the bar chair to swing into a vertical position as the mesh is being positioned or moved on site.

Combination Bar Chairs are used to set the reinforcing barand mesh to the correct position within the concrete cover.

Complies with the requirements of AS/NZS 2425:2015.

Meet the building code requirements for durability B2 Durability, B2.3.1

CLIP-ON

STANDARD

Tall Combination Bar Chairs:

Part	Description	Grade	AS/NZS 2425 Rating	UoM	Pallet Qty	Pallet Height (mm)	Pallet m^3
BC105110	Tall Combination Bar Chair 105/110	B	120	PK	4,000	1,450	2.09
BC115120	Tall Combination Bar Chair 115/120	B	120	PK	2,400	1,550	2.23
BC125130	Tall Combination Bar Chair 125/130	B	120	PK	2,400	1,550	2.23
BC135140	Tall Combination Bar Chair 135/140	B	120	PK	4,000	1,590	2.29
BC145150	Tall Combination Bar Chair 145/150	B	120	PK	2,400	1,470	2.12
BC155160	Tall Combination Bar Chair 155/160	B	120	PK	2,000	1,470	2.12
BC165170	Tall Combination Bar Chair 165/170	B	120	PK	2,000	1,500	2.16

Notes:

Tall Combination Bar Chairs are used to set the reinforcing bar and mesh to the correct position within the concrete cover for heavy duty, slab-on-ground applications.

The Danley™ range of Tall Plastic Combination Bar Chairs are available in a range of standard sizes.

Complies with the requirements of AS/NZS 2425:2015.

Meet the building code requirements for durability B2 Durability, B2.3.1

BC125130

Product Grade:

"A" Graded Products:
Goods usually kept in stock in historical quantities.

B graded products:
manufactured to order.
Allow 4 weeks for delivery.

SOG Bar Chairs:

Part	Description	Grade	AS/NZS 2425 Rating	UoM	Pack Qty	Pallet Qty	Pallet Height (mm)	Pallet m^3
BSOG100C	SOG Chair 100mm Clip-On	A	300	PK	100	3,200	1,150	1.66
BSOG110C	SOG Chair 110mm Clip-On	A	300	PK	100	3,200	1,150	1.66
BSOG110DC	SOG Chair 110mm Double Clip-On	B	300	PK	100	3,000	1,180	1.66
BSOG120C	SOG Chair 120mm Clip-On	A	300	PK	100	2,800	1,050	1.66
BSOG127DC	SOG Chair 127mm Double Clip-On	B	300	PK	100	2,800	1,180	1.66
BSOG130C	SOG Chair 130mm Clip-On	A	300	PK	100	2,800	1,180	1.70
BSOG140C	SOG Chair 140mm Clip-On	A	300	PK	100	2,400	1,000	1.44
BSOG150C	SOG Chair 150mm Clip-On	A	300	PK	100	2,400	1,100	1.58

Notes:

The Danley™ SOG (Slab-On-Ground) Bar Chairs are used to set the reinforcing bar and mesh to the correct position in deeper slabs cast for residential, commercial and civil slab-on-ground applications.

Complies with the requirements of AS/NZS 2425:2015.

Meet the building code requirements for durability B2 Durability, B2.3.1

BSOG110DC BSOG110C

Combination SOG Clip-On Bar Chair:

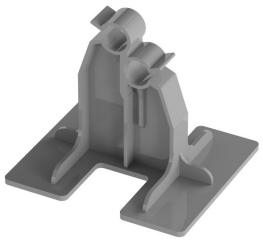
Part	Description	Grade	AS/NZS 2425 Rating	UoM	Pack Qty	Pallet Qty	Pallet Height (mm)	Pallet m^3
BCSOG5065C	Bar Chair SOG Clip-On 50/64	A	120	PK	100	5,400	1,500	2.16

Notes:

Combination SOG Clip-On Bar Chair (BCSOG5065C) is also suited for use in foundations, swimming pools and vertical spray-crete applications as the chair stays secured to the mesh and wont slip or dislodge.

Complies with the requirements of AS/NZS 2425:2015.

Meet the building code requirements for durability B2 Durability, B2.3.1



BCSOG5065C

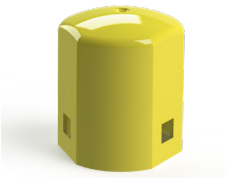
BarGuard Safety Cap:

Part	Description	Grade	AS/NZS 2425 Rating	UoM	Pack Qty	Pallet Qty	Pallet Height (mm)	Pallet m^3
BARGY100	Bar Guard Safety Cap Yellow (100)	A	NA	PK	100	5,000	1,150	1.66

Notes:

The Danley™ BarGuard™ reduces the chance of cuts and abrasions from exposed reinforcing bars up to 36mm in diameter. They are also able to fit over star pickets and most stakes on safety barriers.

Meet the building code requirements for durability B2 Durability, B2.3.1



BARGY100

PodRail™:

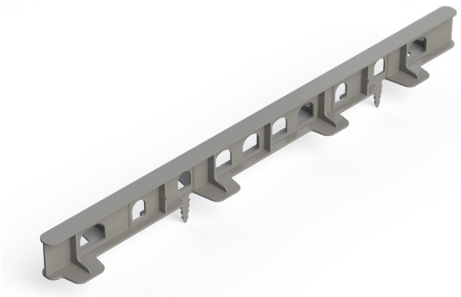
Part	Description	Grade	AS/NZS 2425 Rating	UoM	Pack Qty	Pallet Qty	Pallet Height (mm)	Pallet m^3
BPODR40S	Pod Rail 40mm with spikes	A	60	PK	20	1,600	1,050	1.51

Notes:

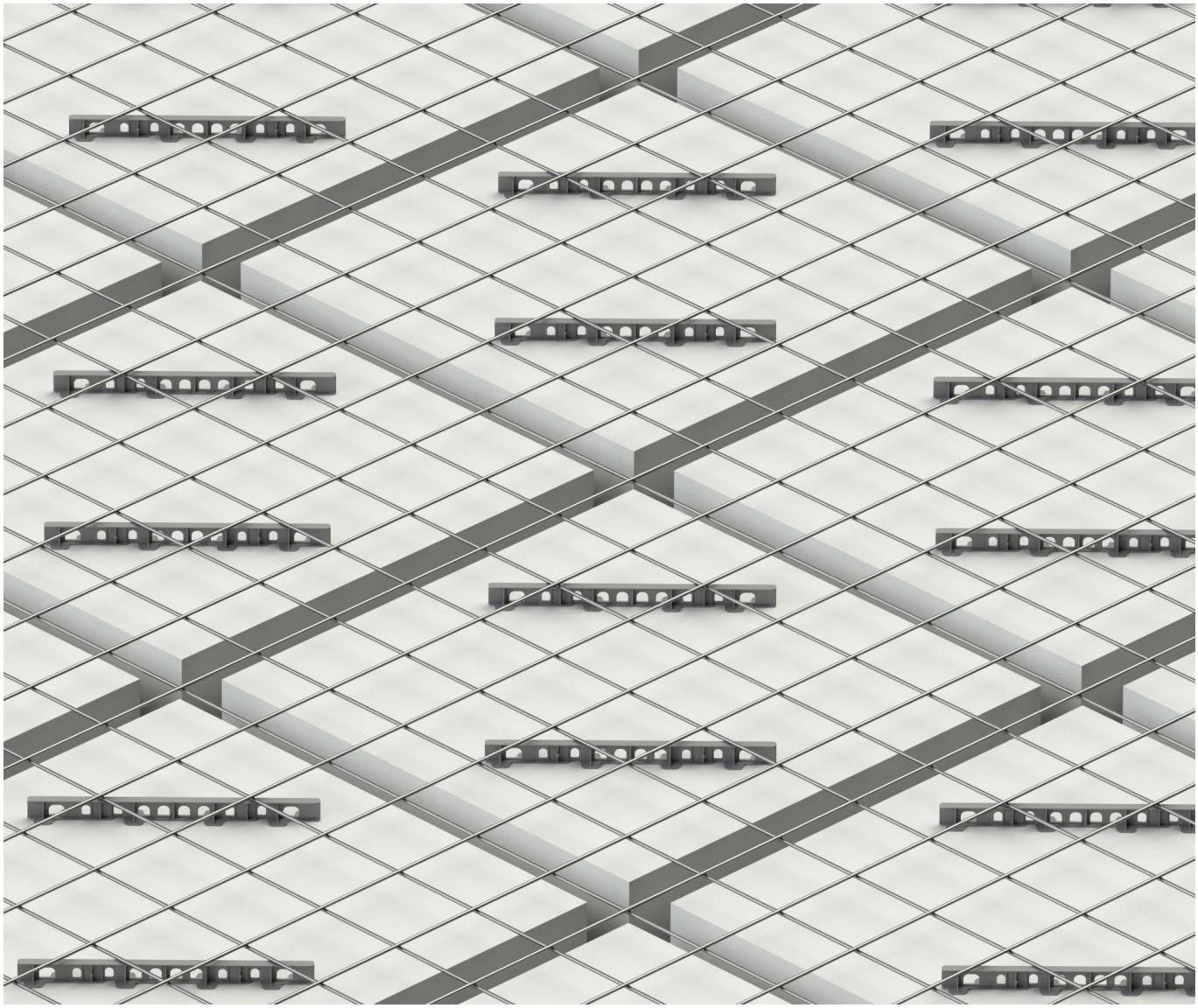
The Danley PodRail™ provides support for mesh in typical residential foam pod slabs. Its unique flatness & rigidity gives it the ability to resist sinking into pods. Using just 2 PodRails per pod, the Podrail is fast and easy to install, saving time and reducing fatigue during set up.

Complies with the requirements of and AS 2870-2011.

Meet the building code requirements for durability B2 Durability, B2.3.1



BPODS40R

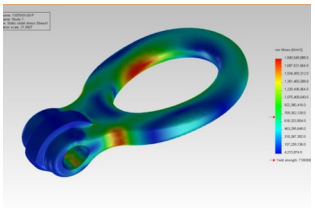


About Us...

ITWCS is a division of Illinois Tool Works (ITW) a Fortune 500 diversified manufacturing company that brings together the combined resources of market leading brands including Reid™, Ramset™ and Danley™.

Specialising in providing smart engineered concrete solutions for both wet and dry concrete construction, ITWCS devotes it's resources to research and development, engineering & design services, manufacturing and distribution, whilst retaining a specialist sales and specification structure.

With manufacturing hubs located in Melbourne and Brisbane, and a network of distribution centres in all the major metropolitan locations throughout Australia and New Zealand, ITWCS services the concrete construction industry across the Commercial, Precast, Tilt-Up, Structural Steel, Industrial and Residential Flooring market segments.

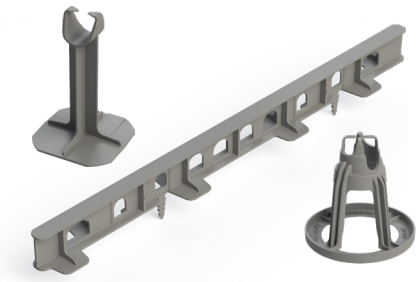


The ITWCS ISO 9001 accredited facility located at Chirnside Park, Victoria

Product Research, Development, Testing & Compliance

Through our ongoing commitment to product research, development and testing, ITWCS has established a dedicated team and fully functioning Product Engineering Laboratory dedicated to understanding and improving concrete construction.

The establishment and continued support of this initiative demonstrates our commitment and belief in the growth of the concrete industry and serves as a dynamic platform to provide our customers first hand testing, training and familiarisation. This ultimately augments ITWCS 's commitment to innovative solutions to progress the concrete construction Industry.



Danley™ Plastic Chairs & Spacers comply with the requirements of AS/NZS 2425:2015

Customer Service

Danley™ New Zealand

Tel: 0800 88 22 12

Email: sales@ramsetreid.co.nz

Web: www.danley.co.nz

Danley ™

NZ: 23-29 Poland Road, Glenfield, Auckland 0632

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