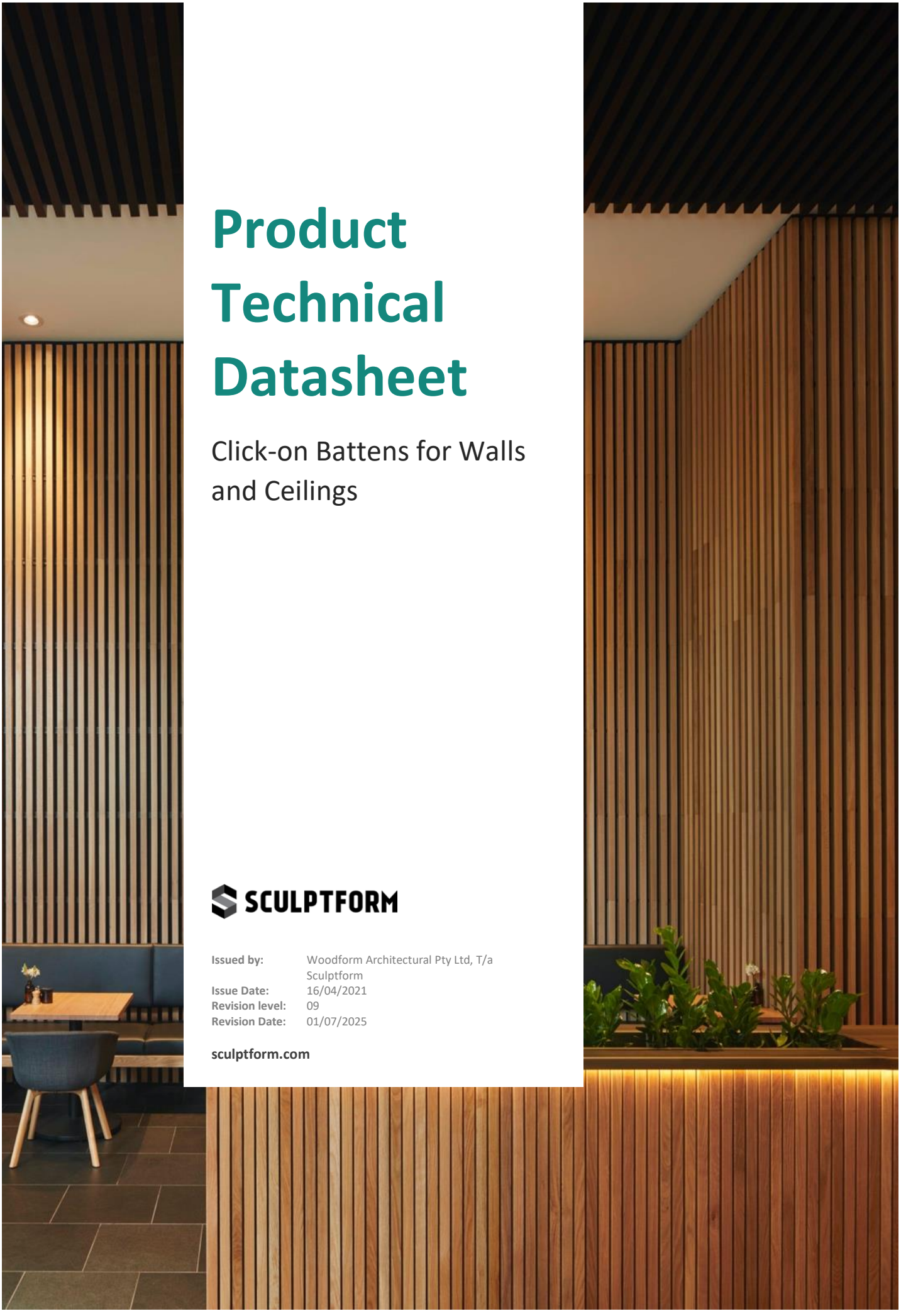

Product Technical Datasheet

Click-on Battens for Walls and Ceilings

SCULPTFORM

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Revision Date: 01/07/2025

sculptform.com

About this document

As the Sculptform system has been designed to be versatile in its application, the purpose of this document is to provide the core properties of each system component (material, capacities, and fire behaviour), for use by a professional engineer or recognised expert.

The following options are available around engineering verification:

- Have your professional engineer use the data contained within this document to design and verify engineering.
- Engage Sculptform for preliminary calculations which we provide as a billable service.
- Engage Sculptform to design and verify engineering against the engineering specification, through our Pre-construction team as a billable service.

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1.0 PRODUCT OVERVIEW

Click-on Battens is a concealed modular fixing system, comprising of proprietary moulded timber or extruded aluminium feature battens and an aluminium mounting track, with factory fitted and spaced clips.

1.1 Application

Non-structural linear textures for feature walls and ceilings in internal and external environments. The mounting track to be fixed securely to a substrate, framing systems or suspended ceiling.

1.2 Limitations of Use

The product is designed for non-structural low imposed force applications. The mounting track/batten assembly is mounted to various substrates or third-party framing systems, and the onus rests on the designer to incorporate other factors such as wind loading, bracing, seismic, building movement and other relevant standards to the overall design, at the shop drawing stage.

The system may not be suitable for use in applications such as sports areas or playgrounds where impact forces from objects (such as soccer, cricket, basketball, netball balls) or soft body impact occurs (people unintentionally running into the wall or battens). In these design scenarios, please consult with a structural engineer or our PreCon team for more information or design solutions.

Note: As most of Sculptform's contracts are supply only, we often do not have context as to the final product application or the engineering specification, and as such, cannot ensure or be held liable for ensuring "fit for purpose" on any given project. This responsibility lays with the company or individual, contained within their contract, to meet the design requirements stipulated within the Engineering Specification to demonstrate fit for purpose, typically at the shop drawing stage.

Additionally, Building Codes (and their interpretation), along with our products, finishes and systems may change over time since the publication of this document. As such, Sculptform cannot accept liability for any of the information or omission of information within this datasheet or the consequential losses that occur as a result.

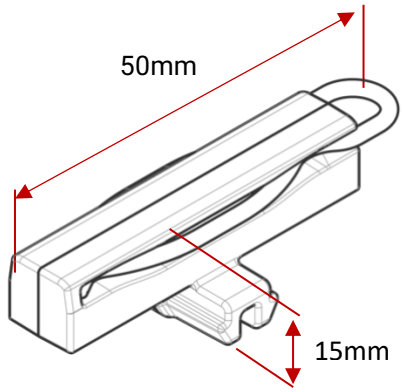
Please consult with a Sculptform representative to ensure that you have the latest up-to-date information regarding our products and systems.

2.0 CORE COMPONENTS

1. Clip/Spring Connection System
2. Mounting Tracks and Connectors
3. Click-on Battens – Aluminium and Timber
4. PET Acoustic Panel
5. Suspended Ceiling Connector Clip and Joiner

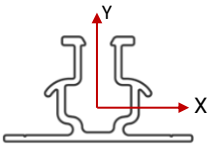
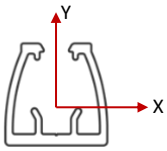
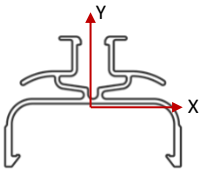
3.0 COMPONENT PROPERTIES

3.1 Clip - Sculptform Standard Clip



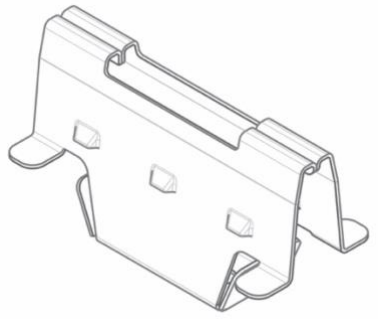
CLIP	Zamak EZDA 3 (Zinc Alloy 3) Injection Cast	ADC 12 Injection Cast*
CLIP COATING	ALZINE ESP-SF Clear	Interpon D2525, Black, 100 microns
SPRING	Stainless Steel 316. CNC bent.	
SALT FOG RESISTANCE *(ASTM B117-2018)*	Performance Rating: 3/8 vs C, interpreted from AS 1247-2004. (Some white corrosion present)	

3.2 Mounting Track

PROPERTIES	45X25 STD TRACK	25X25 SLIM LINE	45X32 CEILING TRACK
Grade (BS EN 573-3:2009)	6106 / T6 Temper	6060 / T6 Temper	6106 / T6 Temper
Dimensional Tolerances	See product drawings		
Other Tolerances	As per AS 1866-1997		
Coating	Dulux Electro Black Ace: 9069116F, AS 3715 Powder Coating Thickness: 60microns		
Shear Modulus	26,000 MPa		
Poisson's Ratio (v)	0.33		
Compressive Modulus of Elasticity (E)	70,000 MPa		
Section Area	199.8mm^2	190.4mm^2	183.33mm^2
Weight per Linear Meter	0.540 kg/linear meter	0.514 kg/linear meter	0.495 kg/linear meter
X-Y Reference →			
Moment of Inertia (Ixx)	13446.9mm^4	13703mm^4	11956.9 mm^4
Moment of Inertia (Iyy)	17939.1mm^4	13074mm^4	33800.1mm^4
Minimum Section Modulus (Zxx+)	825.204mm^3	886.1mm^3	787.4mm^3
Minimum Section Modulus (Zyy+)	797.3mm^3	1046mm^3	150.2mm^3
Radius of Gyration (rx)	8.2029164mm	8.483mm	8.076mm
Radius of Gyration (ry)	9.4745222mm	8.286mm	13.578mm
Co-Efficient of Linear Expansion (α)	0.000023 $^oC^{-1}$		
Fire Properties AS/NZS 1530.3-1999	Non-Flammable. Ignitability Index: 0 | Spread of Flame Index=0 | Heat Evolved Index = 0 | Smoke Development Index = 3 (CSIRO Report: FNE11834. 16/12/2016)		
Fire Properties AS 1530.1-1994	Deemed not combustible under AS 1530.1-1994		
Fire Properties AS/NZS 3837-1998	Average Heat Release Rate: Mean 9.4 kw/m^2 Average Specific Extinction Area: Mean 49.2 m^2/kg (Test number 19-003930)		
Fire Properties ASTM E84	Class A		
Fire Properties ASTM E136	Non-combustible		

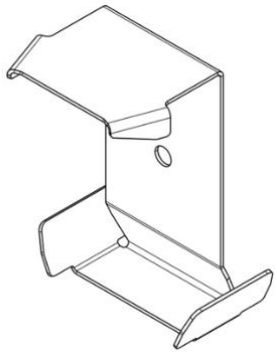
3.3 Suspended Ceiling Connection Clips

3.3.1 Suspended Ceiling Top Cross Rail Connector (Australia/New Zealand/USA)



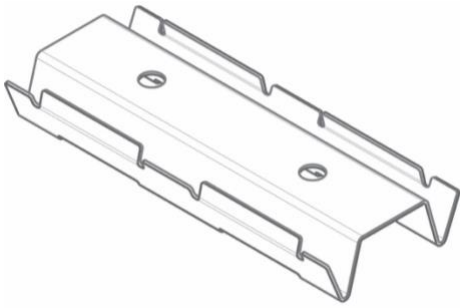
MATERIAL	Structural Steel /G550 Z275 (As per AS 1397)
COATING	Galvanised
	Note: not suitable for high corrosion environments, such as marine

3.3.2 Suspended Ceiling MF Connector Clip (UK / Europe)



MATERIAL	Structural Steel / G550 Z27
CLIP COATING	Galvanised
	Note: Connects to 45mmx16mm primary channel (e.g. Protektor PP7) **Note:** Not suitable for high corrosion environments such as marine.

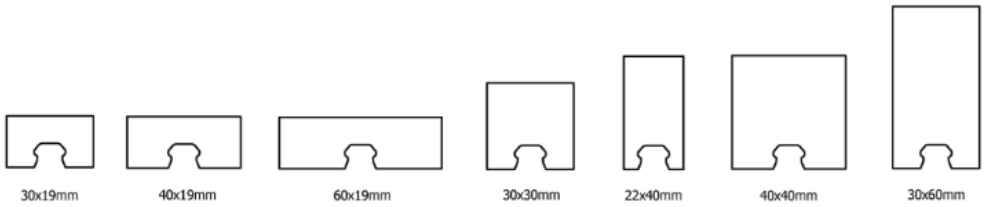
3.4 45x32mm Ceiling Track Joiner



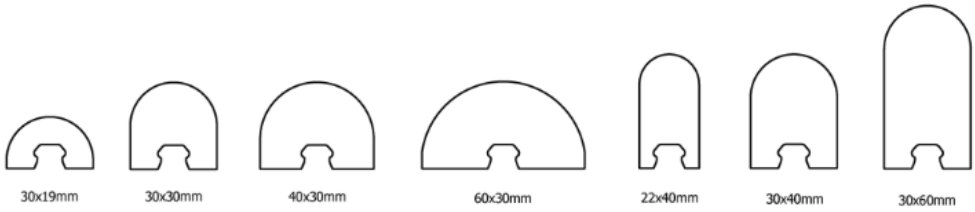
MATERIAL	Steel /G2 Z275 (As per AS 1397)
COATING	Galvabond G2
	Note: not suitable for high corrosion environments, such as marine

3.5 Timber Batten Profiles

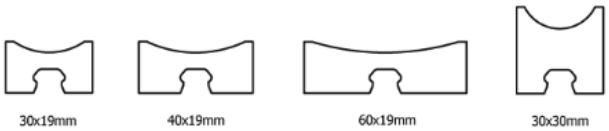
Block



Dome



Flute



Dimensional Tolerances: +/- 0.5mm (AS 2796.1 Section 7). Mismatch: +/- 0.3mm

3.6 Timber Batten Properties

	CHARACTERISTICS	SPOTTED GUM*	GRANDIS	AMERICAN OAK
PROPERTIES	Grading	AS 2796.2 as 67% Select Grade, 33% Medium Feature Grade.		
	Moulding Specifications	AS 2796.1 Section 7 Dressed Boards, Joinery and Mouldings.		
	Moisture Content	9% to 14% (AS/NZS 1080.1; AS/NZS 2796.1)		
	Average Density (12% EMC)	990kg/m^3	600kg/m^3	750kg/m^3
	Hardness (Janka) kN	11	4.3	6
	Unit Tangential Movement	6.1%	14%	6.6%
FIRE	BCA C1.10a Group 3	☑	☑	☑
	AS 3959	BAL 12.5, 19, 29 (AS3959)	-	-
	Average Specific Extinction Area (AS 5637.1)	5-1 m^2/Kg	4-6 m^2/Kg	0-7 m^2/Kg
	ASTM E84	Class B	-	Class C

Note: *ACGH3 treated

3.7 Timber Batten Durability Rating

TIMBER SPECIES	DURABILITY CLASS – LIFE EXPECTANCY* AS 5604:2005	USAGE
Spotted Gum*	Class 1 – Greater than 40 years	Interior / Exterior
Grandis	Class 2 – 15 to 40 years	Interior / Sheltered Exterior
American Oak	Class 3 – 7 to 15 years	Interior Only

Note: *ACGH3 treated

3.8 Timber Batten Acclimatisation

Where the environment in which the timber battens will be installed, has low humidity (<30%) such as an air-conditioned environment, the timber battens should be unwrapped, placed within the environment, avoiding UV exposure, conditioned for 48 – 72 hours until the target EMC is reached to match the humidity range of the environment.

3.9 Timber Batten Tannins

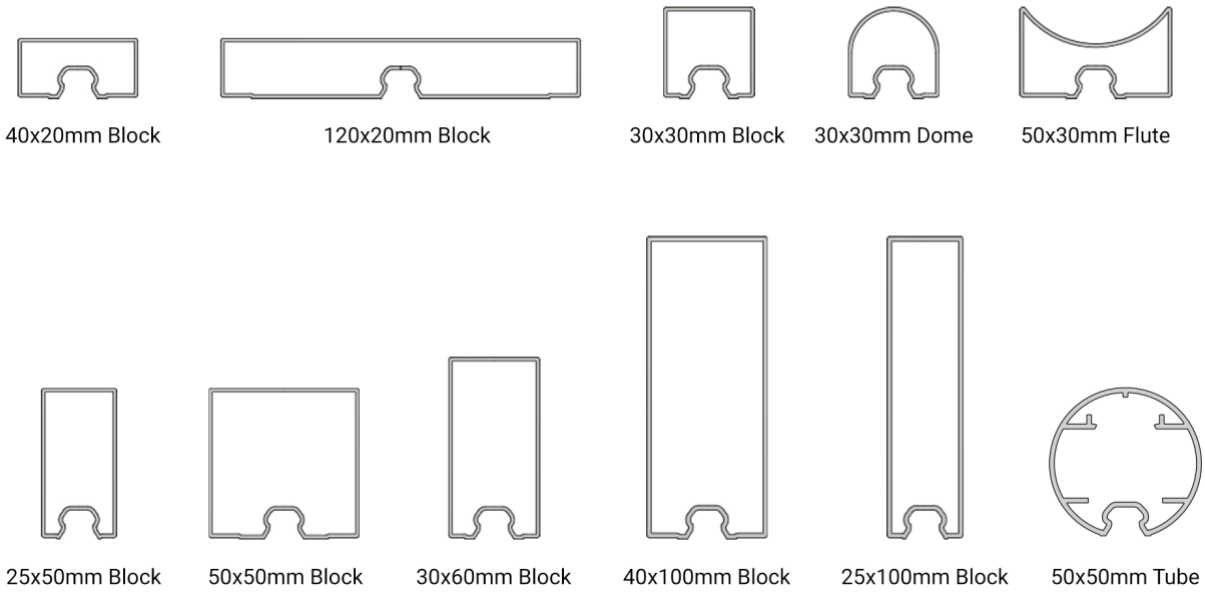
Certain timbers are especially prone to tannin bleed such as Spotted Gum. In terms of suitability, consideration of the substrate around the feature should be considered, and the use of aluminium angles with sealants.

3.10 Storage

Product should be stored on a level surface, with minimal exposure to the sun or UV, moisture (including ground moisture).

Where the product will be stored for more than two weeks onsite, please consult Sculptform for additional storage advice. Moisture within the timber may be released within the packaging over time, discolouring or compromising the coating.

3.11 Aluminium Batten Profiles



Extrusion Finish (prior to anodising or powder coating): Shopfront

Surface lines should be expected in an extruded aluminium product and are part of its natural finish. There are commonly two types of lines found in an extrusion: thermomechanical and die lines.

Streaking

Origin:	billet and thermo-mechanical
Identification:	dark and light lines, side-by-side, longitudinally. Variation in glossiness.
Cause:	variable cross-sectional thicknesses, web intersections, reforming of alloy after bridge (adhesion), differences in grain density across the cross-section.

These are natural colour variation found within the extrusion and are acceptable.

Die Lines

Origin:	Aluminium Extrusion tooling
Identification:	longitudinal line or small groove on the die. Running a pencil across the raw aluminium
Cause:	Roughened tool or foreign particle between the tool and the product.

Note that unless surface ground or sanded, die lines may be present although minimal in the extrusion. The type of finish selected also impacts on the visibility of these lines. Please contact us for more information.

3.12 Aluminium Batten Properties

PROFILE	WEIGHT PER LINEAR METRE	ALLOY AND TEMPER
25x50mm Block	0.57 kg/lm	6106 T6
30x30mm Block	0.449 kg/lm	6106 T6
30x60mm Block	0.677kg/lm	6106 T6
40x20mm Block	0.466 kg/lm	6106 T6
50x50mm Block	0.747 kg/lm	6106 T6
120x20mm Block	1.138 kg/lm	6106 T6
25x100mm Block	1.063 kg/lm	6106 T6
30x30mm Dome	0.434 kg/lm	6106 T6
50x30mm Flute	0.636 kg/lm	6106 T6
50mm Tube	0.917 kg/lm	6106 T6

Fire Properties

FIRE PROPERTIES	AS/NZS 1530.1	Not deemed combustible (Report No. FNC 12107A)
	ASTM E136	Non-combustible
	BS EN 13501-1	Classified A1 without further testing as outlined in EU Commission Decision 96/603/EC (mill finish / anodised only).

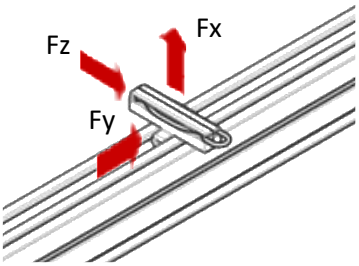
Note: for finish fire data including AS/NZS 1530.3, AS/NZS 5637.1, ASTM E84 and BS EN 13501-1, see finishes section below.

3.13 Acoustic Backing

MATERIAL	PET (50% Recycled) thermally bonded
NRC	0.2 (Direct fix) 0.5 (when using a 25mm air cavity)
THICKNESS	7mm
WEAVE	Needle punched, non-woven
DENSITY	1.25kg/m^2
FIRE PROPERTIES AS ISO 9705:2003	SMOGRArc < 100m^2/s2 x 1000 in accordance with AS ISO 9705:2003 (R2016). Ref. Branz Test Report: FI13078-002. Issued: 14/10/2020.

4.0 SYSTEM CAPACITIES (DESIGN LOADS)

4.1 Clip to Mounting Track



45X25MM STD TRACK / 45X32MM CEILING TRACK	25X25MM SLIM LINE
Fx – 79kg	Fx – 63kg
Fy – 142kg	Fy – 142kg
Fz – 60kg	Fz - 70kg

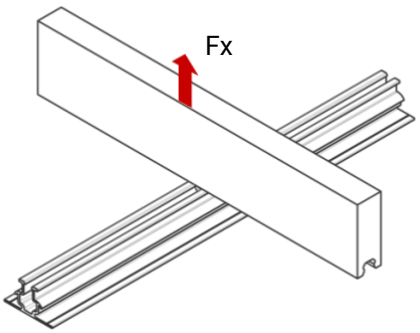
Calculated from Report Reference: 20-2923358 Bureau Veritas (30/10/2020), using Strength Prediction Model Design Values from 8.4 from AS/NZS 4600:2018.

Redundancy Considerations: Track to be secured to the substrate by a minimum of 3 screws across the length.

Cantilever Considerations: Site specific calculations are required to account for cantilever effects on the unsupported ends of the track.

4.2 Clip to Timber Batten

SPECIES	DIRECT PULLOUT CAPACITY KG'S
Spotted Gum	38
Grandis	30
American Oak	35

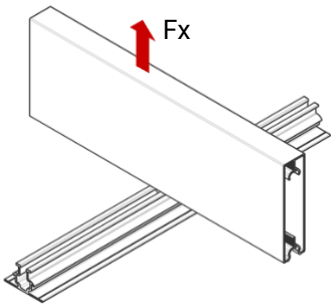


Calculated from Report Reference: 20-2923358 Bureau Veritas (02/11/2020), using Strength Prediction Model Design Values from 8.4 from AS/NZS 4600:2018.

Redundancy considerations: All timber battens to have a minimum of 2x clips per timber batten. Cantilever considerations to be accounted for at shop drawing stage, supported by the appropriate engineering calculations by the assigned project engineer.

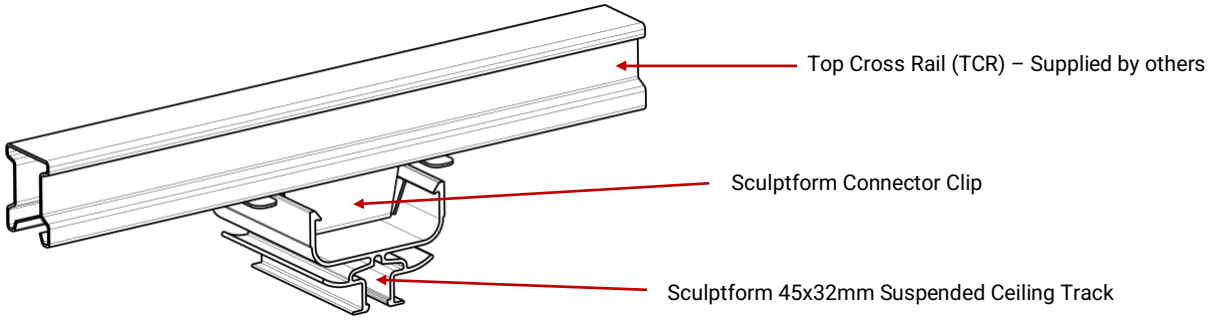
4.3 Clip to Aluminium Batten

FINISH	BATTEN WIDTH (MM)	FX (KG.F)
Anodised / Wood Finish	20	142
	30	169
	40	170
	50	116
	120	213
Powder Coated	20	89
	30	77
	40	60
	50	44
	120	53



4.4 Suspended Ceiling Connector Clip Capacities*

4.4.1: TCR Connector Clip Capacities

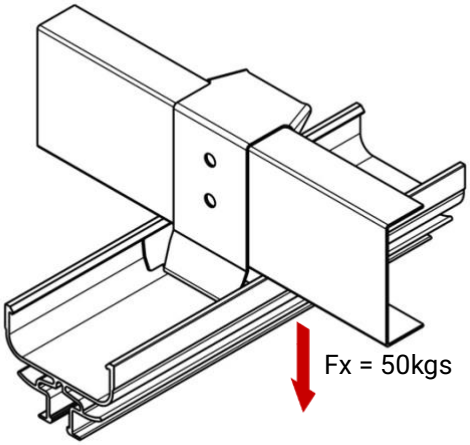


Direction → / TCR Supplier ↓	Fx	Fy	Fz
RONDO	137 kg.f	31 kg.f	51 kg.f
KNAUF	133 kg.f	32 kg.f	51 kg.f
STUDCO	93 kg.f	34 kg.f	51 kg.f

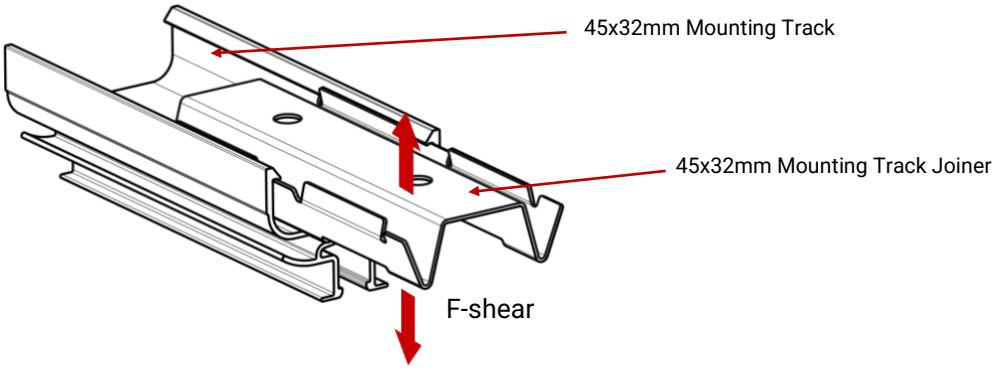
**Calculated from AS 4600 Section 8.3 Prototype Testing. From report: 21-10136840 Bureau Veritas. 22/01/2021.*

See Appendix for indicative span tables. Seismic bracing and considerations are dependent on the design of the suspended ceiling framing system. Please contact your suspended ceiling provider for more information in ensuring Seismic Compliancy.

4.4.2: MF Connector Clip Capacities



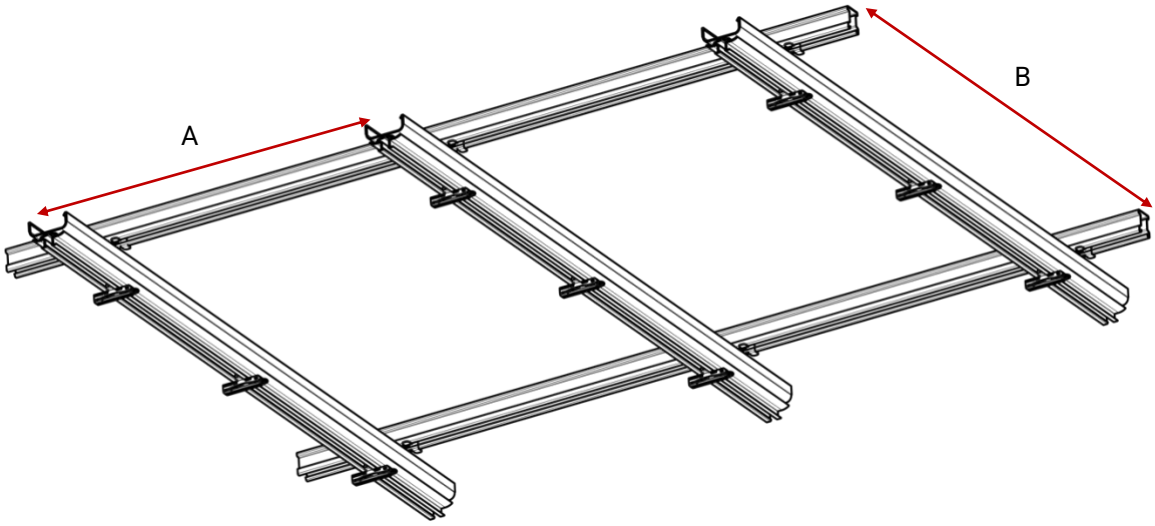
4.5 Suspended Ceiling Mounting Track Joiner



Capacity – 32.3 kg.f shear. Assumed 50% shared load between mounting tracks, by the joiner being centrally mounted.

5.0 SPAN CHARTS

5.1 TCR Suspended Ceiling Span Chart



Max weight per square meter of the Click-on Battens System

	MOUNTING TRACK CENTRES (A)		
TOP CROSS RAIL CENTRES (B)	**600mm**	**900mm**	**1200mm**
600mm	48 kg/m^2	26 kg/m^2	10 kg/m^2
900mm	30 kg/m^2	19 kg/m^2	8 kg/m^2
1200mm	12 kg/m^2	-	-

Ref: SMW029-20.06-LTR-FA-0001-00 ceiling clip weight Date: 05/03/2021

Notes/Limitations:

1. *Excludes wind and imposed service pressure.*
2. *TCR support centres to be confirmed by the TCR supplier, including seismic bracing.*
3. *Batten to track capacity to be considered separately.*
4. *Each connection point capacity to be independently checked and verified against the distribution of the ceiling mass.*
5. *Cantilever effects not considered. To be considered and verified at shop drawing/validation stage supported by engineering calculations.*
6. *Does not accommodate redundancy considerations. To be determined by the project structural engineer assigned to the project.*
7. *Mid-span deflection conservatively factored from SMW029-20.06-LTR-FA-0001-00 assumed as a single span. The mid-span deflections should be checked as part of the overall design checks by the project engineer. See section 3.2 for section properties of the mounting track extrusion.*
8. *250 Pa internal wind pressure assumed, 30 Pa service load.*
9. *Mounting track deflection assumed to be span/360.*
10. *This table is indicative only, not suitable to be used as Evidence of Suitability.*

5.2 MF Suspended Ceiling Span Chart

Max weight per square meter of the Click-on Battens System

		MOUNTING TRACK CENTRES (A)			
		0.6m	**0.8m**	**1m**	**1.2m**
MF CHANNEL CENTRES (MM)	0.6m	112 kg / m2	83 kg / m2	67 kg / m2	56 kg / m2
	0.8m	45 kg / m2	35 kg / m2	28 kg / m2	22 kg / m2
	1m	23 kg / m2	18 kg / m2	14 kg / m2	12 kg / m2
	1.2m	13 kg / m2	10 kg / m2	8 kg / m2	N/A

Ref: Report. Struktup 25/09/2024

5.3 Click-on Battens Aluminium Span Chart

	WIND PRESSURE			
	0 – 1 kPa	**1.1 - 2.0 kPa**	**2.1 – 3.0 kPa**	**3.1 – 4.0 kPa**
Max Track Centres (mm)	1200	900	600	450
Fixing Spacing (substr) (mm)	600	600	600	450

Connection Notes/ Assumptions:

- *For slim tracks, 10g x 50mm screw can be used for fixing to all substrate (minimum embedment of 35mm)*
- *For standard racks, 14g x 50mm screw can be used for fixing to all substrate (minimum embedment of 35mm)*
- *Self-weight = 0.1 kPa*
- *Wind load Kp = 1.0*
- *Spans are indicative only and design checks must be done by the structural engineer assigned to the project.*

6.0 FINISHES

6.1 Timber

ATTRIBUTE	NATURAL ACCENT* INTERIOR	NATURAL ACCENT* EXTERIOR	INTERGRAIN ENVIROPRO	CUTEK EXTREME
Type	Waterbased Lacquer	Waterbased Lacquer	Waterbased Lacquer	Stabiliser
No. of Coats	2	2	2	1
Application	Interior	Sheltered Exterior	Exterior	Exterior
VOC's of the Product Applied	55.2 g/l	32.8 g/l	Not disclosed by supplier	250 g/l ASTM 3960

*Available with stain options. VOC for clear option only.

The coatings and stabilizers are applied at the factory. For best results for Cutek Extreme, a second application should be applied as per the manufacturer's requirements, soon after installation. For coating maintenance, please see the product maintenance guide. Re-coating requirements are condition based, unique to environment in which the product is installed.

6.2 Aluminium

6.2.1 Wood Finish Aluminium (Olefin Embossed Film)

PEEL OFF STRENGTH	SURFACE TREATMENT FOR ADHESION	THICKNESS	ADHESIVE
>30kg/inch (average if 3x samples)	Clear Anodized, 15 um	0.12mm to 0.18mm	Reactive Hotmelt PUR

Light Reflectance Values (LRV's) – as per AS 1428.1 (2009) Appendix B

FINISH TYPE	LRV
Northern Spotted Gum	13.09%
Grey Gum	24.46%
Charred Ash	5.88%
Coffs Blackbutt	23.79%
American Oak	33.82%
Australian Ash	36.39%
Whitewash Oak	62.45%

Fire Properties - AS/NZS 1530.3-1999

IGNITABILITY INDEX	SPREAD OF FLAME INDEX	HEAT EVOLVED INDEX	SMOKE DEVELOPMENT INDEX
11	0	1	3

Fire Properties – AS 5637.1

AVERAGE HEAT RELEASE RATE	AVERAGE SPECIFIC EXTINCTION RATE
Mean 32.8 kw/m^2	Mean 46.2 m^2/kg (test number: 19-00291)

Note: For AS 1530.1 results see Aluminium Batten Properties.

Fire Properties – ASTM E84

RATING	Class A

6.2.2 Powder Coating

TYPE	TYPICAL COATING THICKNESS	GLOSS	APEARANCE
Thermoset Polyester	60 - 80 µm (AS 2331.1.1.4)	Matt 21-45 at 60° Satin 46-75 at 60° Gloss >76 at 60°	(AS 3715 – 2.5.1) No visible scratches from 1 meter, or in-situ viewing distances

Humidity Resistance (AS/NZS 4506)

Scribed, 100% Relative Humidity at 40 +/- 3 deg. C for 1,000 hr. No more than 1mm creep.
No visible blistering.

Fire Properties – AS 5637.1

IGNITABILITY INDEX	SPREAD OF FLAME INDEX	HEAT EVOLVED INDEX	SMOKE DEVELOPMENT INDEX
0	0	0	3

Ref: CSIRO Report: FNE11834 Issued: 16/12/2016.

Fire Properties - AS/NZS 3837-1998

AVERAGE HEAT RELEASE RATE	AVERAGE SPECIFIC EXTINCTION RATE
Mean 9.4 kw/m^2	Mean 49.2 m^2/kg (test number: 19-003930)

Note: For AS 1530.1 results see Aluminium Batten Properties.

Fire Properties – ASTM E84

RATING	Class A

Powder Coating Light Reflectance Values

Dulux premium colour range – LRV < 20% suitable for exterior use

PRODUCT RANGE	COLOUR NAME	FINISH	PRODUCT CODE	LRV
Duratec Eternity	Copper Coin Pearl	MATT	90T4350Q	20%
Duratec Zeus	Grey	SATIN	90Z7768S	20%
Electro Blue	Gold	FLAT	9065301K	20%
Duratec Intensity	Reef	GLOSS	90N5011G	18%
Duratec Elements	Surfmist®	FLAT	90E1330Z	15%
Electro Basalt®	Basalt®	FLAT	9067645F	15%
Fluoroset Xtreme™	Basalt®	MATT	40X7475M	15%
Duratec Elements	Natural Bronze	FLAT	90E8341Z	14%
Duratec Eternity	Titanium Pearl	SATIN	90T7765Q	14%
Duratec Intensity	Flame	GLOSS	90N4007G	14%
Electro Brilliance	Brilliance	FLAT	9068281K	14%
Duratec Intensity	Coast	SATIN	90N5233S	13%
Duratec Intensity	Desert	SATIN	90N4227S	12%
Duratec Intensity	Evergreen	SATIN	90N6005S	12%
Duratec Zeus	Timberland	SATIN	90Z7315S	12%
Electro Tiberius	Tiberius	FLAT	9062210K	12%
Electro Medium	Bronze	FLAT	9068183K	11%
Duratec Eternity	Bronze	SATIN	90T8356Q	10%
Duratec Elements	Black (CB Night Sky®)	FLAT	90E9190Z	9%
Duratec Zeus	Monument®	SATIN	90Z7307S	9%
Duratec Zeus	Monument®	MATT	90Z8189M	9%
Electro	Monument®	FLAT	9069171F	9%
Duratec Elements	Weathered Steel	FLAT	90E8340Z	8%
Duratec Elements	Copper Ore	FLAT	90E6413Z	8%
Duratec Zeus	Charcoal	SATIN	90Z7766S	8%
Duratec Zeus	Dark Grey	MATT	90Z7767M	8%
Electro	Burnished Copper	FLAT	9068185K	8%
Duratec Elements	Magnatite	FLAT	90E7725Z	7%
Fluoroset Xtreme™	Charcoal	MATT	40X7297M	7%
Duratec Eternity	Charcoal	SATIN	90T7762Q	6%
Duratec Intensity	Storm	SATIN	90N5365S	6%
Electro	Blue Night	FLAT	9065303K	6%
Electro	Dark Bronze	FLAT	9068184K	6%
Duratec Zeus	Black	MATT	90Z9202M	5%
Duratec Zeus	Lunar Eclipse	SATIN	90Z9203S	5%
Duratec Elements	Monument®	FLAT	90E7724Z	4%
Electro	Black Ace	FLAT	9069116F	4%
Fluoroset Xtreme™	Black	MATT	40X9204M	4%
Fluoroset Xtreme™	Monument®	MATT	40X8148M	4%

Interpon commercial collection – LRV < 20% suitable for exterior use

TECHNOLOGY	COLOUR NAME	FINISH	PRODUCT CODE	LRV
D2525	Bondi Blue	Gloss	YJ046A	20%
D2525	Copper Penny	Matt	YY22AA	18%
D2525	Vantage Silver	Flat	YY22NA	18%
D2525	Sunstone Bronze	Flat	YY21BA	17%
D3020	Hardy Reef	Matt	8J215A	17%
D2525	Ordos Sable	Texture	YW3871	15%
D2525	Titanium Pearl	Satin	YY163A	15%
D2525	Titanium Pearl	Matt	YY263A	13%
D3020	Titanium Pearl	Matt	8Y263A	13%
D2525	Lobster	Satin	YG154A	12%
D2525	Timberland	Satin	YP175A	12%
D2525	Timberland	Matt	YP275A	12%
D2525	Jaybird	Satin	YJ175A	11%
D3020	Asteroid Pearl	Matt	8Y270A	11%
D3020	Outback Red	Matt	8G212A	11%
D2525	Monument MKII™	Satin	YP182A	9%
D2525	Sable Medium Bronze	Texture	YY366A	9%
D3020	Sea Storm	Matt	8L216A	9%
D2525	Bronze Pearl	Matt	YY225A	8%
D2525	Charcoal	Satin	YP116A	8%
D2525	Dary Gray	Matt	YP278A	8%
D2525	Monument	Matt	YL264A	8%
D3020	Bronze Pearl	Matt	8Y225A	8%
D3020	Monument	Matt	8L244A	8%
D3020	Red Bush Apple	Matt	8M214A	8%
D2525	Charcoal	Matt	YL238A	6%
D2525	Charcoal Pearl	Matt	YY237A	6%
D2525	Dark Bronze	Flat	YY20BA	6%
D2525	Monument	Flat	YP229A	6%
D2525	Ebony	Matt	YN201A	4%
D3020	Hyper Black	Matt	8N209A	4%

D2525 Interpon Futura range.

D3020 Fluromax® - Flurocarbon technology based powder coating. High gloss retention and superior weathering performance.

6.3.3 Anodised

Thickness Grade: ASTM 1231-2000

THICKNESS GRADE	MINIMUM AVERAGE THICKNESS (µM)	MINIMUM LOCAL THICKNESS (µM)
AA25 (EXTERIOR)	25	20
AA20	20	16
AA10 (INTERIOR)	10	8

(ISO 1463, ISO 2360 or ISO 1463)

Light Reflectance Values (LRV's)

FINISH TYPE	LRV (AVG 20 MEASUREMENTS)
Dark Gold	47.28%
Clear Silver	72.17%
Standard Bronze	13.35%
Light Gold	59.93%
Pale Bronze	38.35%
Antique Gold	22.21%
Dark Bronze	5.61%
Light Bronze	24.40%
Medium Bronze	8.29%
Medium Gold	54.08%
Black	4.27%

Fire Properties - AS/NZS 3837-1998

AVERAGE HEAT RELEASE RATE	AVERAGE SPECIFIC EXTINCTION RATE
FTI (Failed to ignite)	Mean 8.6 m^2/kg (test number: 19-003929)

Fire Properties - ASTM E136

	Non-combustible
BS EN 13501-1	Classified A1 without further testing as outlined in EU Commission Decision 96/603/EC (mill finish / anodised only).

Handling / Transportation

Special care is required in the handling, transportation and during installation. Anodised surfaces scratch easily. The anodised product should not rub or slide against each other. Wrapping is not allowed to get damp.

Appearance

Anodic treatment accentuates the differences in metallurgical condition of the Aluminium. It is possible at close inspection, from different viewing angles, to see streaking and changes in brightness.

A viewing distance of 3 meters should be assumed when inspecting the product for defects.

7.0 BATTEN REMOVABILITY

The battens can be removed from the track by spreading the track with the Sculptform proprietary removal tool. Care must be taken not to distort the track to reduce its capacity when the batten and clip are replaced.

Battens can be removed with the removal tool to access the screws anchoring the track to the substrate.