

Solid Timber Battens Technical Data Sheet

A hard-wearing feature batten system with acoustic backing options for walls and ceilings

featurecraft.com



Product Details

Type	Solid Timber Battens
Species Options	Species are currently TBC – please enquire
Pre-finished or Unfinished	Pre-finished
Finishes	Natural (Sealed with clear-coat flat varnish) Custom (Various stains and washes are available on request if you are trying to match to other finishes – please enquire for details)
Backing	Acoustic backing panel can be integrated using the ZPF trim
Batten Density	Species dependent
Batten Lengths	Species dependent Preferred Length 2500mm – 3000mm
Batten Sizes	25mm x 25mm 42mm x 42mm 90mm x 42mm 140mm x 42mm For additional profiles and dimensions view Profiles Sheet on the pages following

Application and Installation

Applications	Interior Walls Interior Ceilings Exterior Soffits (Species dependent) Ceiling Tiles (We can alter panel sizes to fit within ceiling grids)
Installation Methods	Aluminum male and female components, trims (anodised/powder-coated)

Warranty

Product Warranty	10 Years
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Ratings

Fire Rating	View Fire Test Info Sheet on the pages following
NRC Rating	Acoustic backing panels can be 12mm (0.40 NRC) and 25mm (0.60 NRC) and are incorporated into the system for increased acoustic performance. To achieve up to 0.95 NRC an acoustic blanket will need to be used in conjunction with either system.

Environmental

Green Building Rating Compliance	View EnviroSpec Summary Sheet on the pages following
Sustainability Options (On enquiry)	FSC® Chain of Custody PEFC™ Certification



New Zealand

Battens	Group Fire Ratings
Solid Timber With intumescent coating	1S

Australia

Battens	Group Fire Ratings
Solid Timber	3

[Contact us](#) to view full fire test results

Square / Block



STM 30x30
30mm x 30mm
15mm x 15mm Rebate



STM 42x42
42mm x 42mm
15mm x 15mm Rebate



STM 42x90
42mm x 90mm
25mm x 50mm Rebate



STM 42x140
42mm x 140mm
25mm x 50mm Rebate



STM 60x30
60mm x 30mm
15mm x 15mm Rebate



STM 80x30
80mm x 30mm
15mm x 15mm Rebate

Fluted



STM 42x30
42mm x 30mm
15mm x 15mm Rebate



STM 52x30
52mm x 30mm
15mm x 15mm Rebate



STM 75x30
75mm x 30mm
15mm x 15mm Rebate

Bull Nose



STM 30x30
30mm x 30mm
15mm x 15mm Rebate



STM 42x42
42mm x 42mm
15mm x 15mm Rebate



STM 42x90
42mm x 90mm
25mm x 50mm Rebate



STM 42x140
42mm x 140mm
25mm x 50mm Rebate

Custom options available, [contact us](#).

FSC® and PEFC™

Featurecraft carries Chain of Custody (CoC) certification that enables us to sell Timber, MDF, Plywood and Timber Veneer that carries either FSC® certification or PEFC™ certification.

FSC® certified timber and PEFC™ certified timber undergo independent, third-party audited certification procedures at every step of the supply chain. This provides designers, specifiers, architects, and consumers absolute assurance that those forest and wood products labelled as FSC® certified or PEFC™ certified originate from responsible sources, which are managed to be prescribed social, economic, and environmental standards.

[View FSC® and PEFC™ certificates at the Downloads tab on our website.](#)

EnviroSpec

Our focus is to make Green compliance as easy as possible for Architects & Designers so we partnered with an independent Consultancy Company (EnviroSpec) who carried out a detailed analysis of our products & created our very own [Green Building Summary Sheets](#).

These sheets are ideal for Architects & Designers working on Greenstar & Homestar projects as it very clearly sets out the Green rating tool, credit category, requirements, details of compliance & the points that can be claimed when specifying Featurecraft products on both Greenstar & Homestar projects in Australia & New Zealand.

View EnviroSpec Summary sheet on the pages following.



Featurecraft Solid Timber Battens are a natural product and has knots and blemishes in the timber. There will be different colour & grain variations from batch to batch. All timber needs to be handled with care and by qualified tradesmen. Battens need to be stored inside, out of sunlight, off the ground, in a dry moisture free environment and flat, well supported and totally free of moisture with a cover sheet on the top for protection. Featurecraft take no responsibility for bowed battens due to incorrect storage and moisture ingress. Featurecraft needs to be advised of any complaints within 3 days of received the goods, any complaints received after 3 days will be void. Installation of Featurecraft Solid Timber Battens must be carried out as per instructions listed on the Featurecraft Installation Guide. Featurecraft cannot be held accountable for alternative installation methods, as doing so will void the product warranty.

Product Name	Engineered Timber Panels and Battens - (FSC and PEFC certified range on acoustic 20-100 blanket)
Document Type	Green Building Rating Compatibility Analysis
Document Code	ES-GSNZ-21-99b
Client	Featurecraft

Featurecraft (ex-Zenthe) - Engineered Timber Panels and Battens (FSC and PEFC certified range) are architectural and aesthetically pleasing and will make a feature out of any project. Substrates available for perforations and machining are painted FR MDF, timber veneer on FR MDF Black or Natural or FR Plywood. Acoustic panels with black felt-backing behind the panel and installed over Autex AAB 20-100 acoustic blanket can achieve NRC values of up to 0.95 (depending on the percentage of the panel that is perforated or machined).

Non-acoustic panels are also available and these include V grooves, sawcuts, inlaid aluminum inserts and also custom machining. Non-acoustic panels have the machining on the face of the panel and therefore these panels don't require the black felt backing.

Please note: while these timber battens are available in a number of timber species through Featurecraft, this EnviroSpec document is limited to the FSC/ PEFC certified offering. Please consult with Featurecraft to confirm the species you are specifying falls within this requirement.



Applicable to Green Star NZ and Green Star Australia

Green Star Design & As Built NZ (V1)	Credit 10	1 point (products with acoustic backing panel only)
	Credit 13	1 point
	Credit 20	1 point
Green Star Interiors NZ (V1)	Credit 9	1 point (products with acoustic backing panel only)
	Credit 12	2 points
	Credit 20	1 point



Homestar V5	HC 6	0.5 Points (terrace / apartments only) - (products with acoustic backing panel only)
	HC 7	1 point
	EN3	1.5 points
Homestar V4	EHC 9	1 Point (detached homes) / 0.5 pts (terrace / apts) - (products with acoustic backing panel only)
	MAT-1	2 points
	MAT-2	1 point

Manner in which the product may contribute towards points	Legend of Symbols in EnviroSpec
Products must meet specific criteria (e.g. Paint VOC emissions, carpets, etc)	✓
Products may help achieve points by their very nature, if they are specified and installed (e.g. bicycle racks)	●
Products may help achieve an outcome but they must be used in a specific manner (e.g. lighting control and zoning systems) OR The nominated product(s) can contribute towards the outcome but many other products or factor influence that same outcome (E.g. Potable Water Calculator)	○

Disclaimer - Please read this carefully

Each Building Environmental Rating Tool and Scheme nominated herein is owned and operated by its respective operative organisation, independently of EnviroSpec Ltd., and EnviroSpec Ltd. equally operates independently of any nominated rating scheme. The information represented on EnviroSpec is not endorsed by any of these organisations in a direct manner and any decision regarding final approval or refusal of points and certifications where the nominated product(s) is used is at the final discretion of the respective owners and operators of the nominated Building Environmental Rating Schemes, and any network of assessors or auditors that are accredited to operate under their assessment structure, in accordance with all associated technical manuals, rules and guidelines. For detailed technical information about each Building Environmental Rating Scheme and product related criteria please refer to the appropriate technical manuals. EnviroSpec does not accept liability for any loss or damages resulting from the use of this document and emphasizes that this document is provided as guidance only. Use of, or reliance upon, any information contained in this report is at the user's own risk. The information presented in this report is valid for the Building Environmental Rating Schemes and Tools nominated herein only. As and when the respective owners and operators publish updates or new standards or guidelines, the information may require updating. EnviroSpec Ltd. will only update information in this report upon receiving written consent from the Manufacturer, Supplier or upon request from an operative organisation of one of the Building Environmental Rating Tools nominated herein. **It is the responsibility of the reader to check for regular updates.**

Rating Tool	Credit / category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Green Star NZ Design and Build <i>(Applicable to New Zealand and Australia)</i>	Credit 10	3	<p>10.1 Internal Noise Levels - 1 point is awarded where internal ambient noise levels are no more than 5dB(A) above the lower figure in the range recommended in Table 1 of AS/NZS2107:2016. (Noise measurement must account for all internal and external noise including building services equipment, outdoor sources such as traffic, and (where known) noise from industrial process. Occupancy noise is excluded.)</p> <p>10.2 Reverberation - 1 point is awarded where the reverberation time is below the maximum stated in Table 1 of AS/NZ 2107:2016, ensuring reverberation time equivalent to or lower than the reverberation time predicted for treating at least 50% of the combined floor and ceiling area with a material having a noise reduction coefficient (NRC) of at least 0.5. Dedicated teaching spaces must have reverberation times in the lower half of the range specified in Table 1 of AS/NZS 2107:2016.</p> <p>10.3 Acoustic Separation - 1 point is available where nominated enclosed spaces minimise crosstalk between rooms, and between rooms and open areas. This can be achieved through either:</p> <ul style="list-style-type: none"> - Fixed or glazed partitions without a door between spaces should achieve a weighted sound reduction index (Rw) of at least 45 (and at least 35 for all partition types that contain a door). - The sound insulation between enclosed spaces complies with $D_w + LA_{eqT} > 75$. Measurements must be based on finished rooms, accounting for any carpets and acoustically absorbent ceilings specified. The measurements can be conducted in either furnished or unfurnished spaces. - For residential components, the inter-tenancy walls, floors and doors must achieve nominated noise isolation standards (refer to Greenstar NZ submission guidelines for full details) 	✓	1 point	<p>When used with Autex AAB 20-100 acoustic blanket backing panel, the nominated product(s) comply with the requirements of 10.2 as they have an NRC between 0.7 and 0.95, thus allowing to claim 1 point provided at least 50% of the combined floor and ceiling area is above NRC 0.5</p> <p>The nominated product(s) can furthermore assist towards achieving compliance in 10.1 and 10.3. <i>Note: achieving the points here depends on the combination of floor, ceiling and walls achieving the targeted outcomes and must be measured by an Acoustic Engineer.</i></p>
	Credit 13	2	<p>This credit rewards the use of low VOC and low formaldehyde interior products and finishes that safeguard occupant health through the reduction in internal air pollutant levels.</p> <ul style="list-style-type: none"> - 1 point is available where at least 95% of all internally applied paints, adhesives, sealants and carpets meet stipulated 'Total VOC Limits', or, where no paints, adhesives, sealants or carpets are used in the building. - 1 point is available where at least 95% of all engineered wood products meet stipulated formaldehyde limits or no new engineered wood products are used in the building. 	✓	1 point	<p>The nominated product(s) achieve E1 or lower formaldehyde emissions, satisfying the requirements for engineered wood products.</p> <p><i>Note: achieving 1 point here is dependent on the remaining products in the category also being compliant.</i></p>
	Credit 20	3	<p>This credit rewards projects that achieve a reduced environmental impact in the sourcing of steel, timber and PVC.</p> <p>Steel - 1 point is available where 95% of the building's steel (by mass) is sourced from a Responsible Steel Maker (manufacturer) ; and</p> <p>For steel framed buildings - at least 60% of the fabricated structural steelwork is supplied by a responsible steel fabricator/steel contractor.</p> <p>For concrete framed buildings - at least 60% (by mass) of all reinforcing bar and mesh is produced using energy-</p>	✓	1 point	<p>The nominated product(s) can be ordered with FSC/PEFC Chain of Custody.</p> <p><i>Note: achieving 1 point here is dependent on total % achieved when including the other timber products purchased.</i></p>

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		<p>reducing processed in its manufacture holds Environmental Choice EC-41-15 certification.</p> <p>Timber - 1 point is available where at least 95% (by cost) of all timber used in the building and construction works is either certified by a recognised forest certification scheme, or is from a reused source.</p> <p>PVC - 1 point is available where 90% (by cost) of all permanent formwork, pipes, flooring, blinds and cables in a project are either PVC free, or meet the GBCA's Best Practice Guidelines for PVC.</p>			
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Rating Tool	Credit / category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Green Star NZ Interiors <i>(Applicable to New Zealand and Australia)</i>	Credit 9	3	<p>9.1 Internal Noise Levels - 1 point is awarded where internal ambient noise levels are no more than 5dB(A) above the lower figure in the range recommended in Table 1 of AS/NZS2107:2016. (Noise measurement must account for all internal and external noise including building services equipment, outdoor sources such as traffic, and (where known) noise from industrial process. Occupancy noise is excluded.)</p> <p>9.2 Reverberation - 1 point is awarded where the reverberation time is below the maximum stated in Table 1 of AS/NZ 2107:2016, ensuring reverberation time equivalent to or lower than the reverberation time predicted for treating at least 50% of the combined floor and ceiling area with a material having a noise reduction coefficient (NRC) of at least 0.5. Dedicated teaching spaces must have reverberation times in the lower half of the range specified in Table 1 of AS/NZS 2107:2016.</p> <p>9.3 Acoustic Separation - 1 point is available where nominated enclosed spaces minimise crosstalk between rooms, and between rooms and open areas. This can be achieved through either:</p> <ul style="list-style-type: none"> - Fixed or glazed partitions without a door between spaces should achieve a weighted sound reduction index (Rw) of at least 45 (and at least 35 for all partition types that contain a door). - The sound insulation between enclosed spaces complies with $D_w + LA_{eqT} > 75$. Measurements must be based on finished rooms, accounting for any carpets and acoustically absorbent ceilings specified. The measurements can be conducted in either furnished or unfurnished spaces. 	✓	1 point	<p>When used with Autex AAB 20-100 acoustic blanket backing panel, the nominated product(s) comply with the requirements of 10.2 as they have an NRC between 0.7 and 0.95, thus allowing to claim 1 point provided at least 50% of the combined floor and ceiling area is above NRC 0.5</p> <p>The nominated product(s) can furthermore assist towards achieving compliance in 9.1 and 9.3. <i>Note: achieving the points here depends on the combination of floor, ceiling and walls achieving the targeted outcomes and must be measured by an Acoustic Engineer.</i></p>
	Credit 12	6	<p>This credit rewards the use of plants, as well as low VOC and low formaldehyde interior products and finishes that safeguard occupant health through the reduction in internal air pollutant levels.</p> <ul style="list-style-type: none"> - 2 points are available where at least 95% of all internally applied paints, adhesives, sealants and carpets meet stipulated 'Total VOC Limits', or, where no paints, adhesives, sealants or carpets are used in the building. - 2 points are available where at least 95% of all engineered wood products meet stipulated formaldehyde limits or no new engineered wood products are used in the building. - 2 points are available where indoor plants are distributed across the nominated area and are regularly maintained. 	✓	2 points	<p>The nominated product(s) achieve E1 or lower formaldehyde emissions, satisfying the requirements for engineered wood products.</p> <p><i>Note: achieving 2 points here is dependent on the remaining products in the category also being compliant.</i></p>
	Credit 20	2	<p>This credit rewards projects that achieve a reduced environmental impact in the sourcing of timber and PVC.</p> <p>Timber - 1 point is available where at least 95% (by cost) of all timber used in the building and construction works is either certified by a recognised forest certification scheme, or is from a reused source.</p> <p>PVC - 1 point is available where 90% (by cost) of all permanent formwork, pipes, flooring, blinds and cables in a project are either PVC free, or meet the GBCA's Best</p>	✓	1 point	<p>The nominated product(s) can be ordered with FSC/PEFC Chain of Custody.</p> <p><i>Note: achieving 1 point here is dependent on total % achieved when including the other timber products purchased.</i></p>



Engineered Timber Panels and Battens

(FSC&PEFC certified range on acoustic 20-100 blanket)



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		Practice Guidelines for PVC.			
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Rating Tool	Credit / category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Homestar V5	HC 6	3	<p>0.5 points can be claimed if external walls and ceilings meet STC (or Rw) 43, and windows meet STC (or Rw) 33, OR 1.5 points can be claimed if the envelope of the dwelling is designed such that internal ambient noise levels are no more than 5dB above the lower figure of the recommended range in AS/NZS 2107:2016, dependent on the type of neighborhood.</p> <p>For terraces and apartments, 1 further point is available where the in-situ Impact Sound insulation (IIC rating) and in-situ airborne sound insulation (STC ratings) levels are 5dB better than minimum stipulated levels in NZ building code clause G6, with an additional 0.5 points available where entranceways, lobbies, stairways, corridors and hallways have an area at least equivalent to the ceiling area covered with an absorptive finish achieving NRC 0.55 or greater. (Compliance is achieved by default where the terrace or apartment development does not have such areas).</p>	✓	0.5 points	When used with Autex AAB 20-100 acoustic blanket backing panel, the nominated product(s) comply with the requirements of 10.2 as they have an NRC between 0.7 and 0.95, thus allowing to claim 0.5 points provided an area at least equivalent to the ceiling area covered achieves above NRC 0.55
	HC7	4	This credit rewards the use of low VOC and low formaldehyde interior products and finishes. Engineered wood is one of four interior finish categories eligible for 1 point each, provided > 80% of product compliance is achieved.	✓	1 point (out of 1 points available)	The nominated product(s) achieve E1 or lower formaldehyde emissions, satisfying the requirements for engineered wood products.
	EN3	10	This credit rewards the selection of eco-preferred and responsibly sourced materials, with twelve possible material categories eligible for up to 1.5 points each, provided > 50% of product compliance is achieved based on the relative weighting of individual product ecolabel certifications.	✓	1.5 points (out of 1.5 points available for this material category)	The nominated product(s) can be ordered with FSC/PEFC Chain of Custody. <i>Note: achieving 1.5 points here is dependent on total % achieved when including the other timber products purchased.</i>
Homestar V4	EHC-9	3	This credit rewards the provision of an improved sound environment in accordance with items listed in the sound insulation checklist.	✓	0.5 Pts (terrace / Apt) 1 point (detached homes)	Acoustic ceiling tiles are referred to in the sound insulation checklist. When used with Autex AAB 20-100 acoustic blanket backing panel, the nominated product(s) can be deemed acoustic ceiling panels, and if used in > 80% of a dwelling's livable rooms then 0.5 points can be claimed for terrace homes or apartments, and 1 point can be claimed for single detached houses.
	MAT-1	10	This credit rewards the selection of eco-preferred and responsibly sourced materials, with thirteen possible material categories eligible for up to 2 points each, provided > 50% of product compliance is achieved based on the relative weighting of individual product ecolabel certifications.	✓	2 points (out of 2 points available for this material category)	This product falls under the "other solid timber" category and the product is able to claim 2 points as it can be ordered with FSC/PEFC Chain of Custody. <i>Note: achieving 2 points here is dependent on total % achieved when including the other timber products purchased.</i>
	MAT-2	4	This credit rewards the use of low VOC and low formaldehyde interior products and finishes. Engineered wood is one of four interior finish categories eligible for 1 point each, provided > 50% of product compliance is achieved.	✓	1 point (out of 1 points available)	The nominated product(s) achieve E1 or lower formaldehyde emissions, satisfying the requirements for engineered wood products.

