BAUX Acoustic Wood Wool Material Data Sheet



Handling Usage and Recycling
Contact
Products and Dimensions
Colours
Compositions of Ingredients
Certifications and Standards
Acoustic Performance
Physical appearance and Performance
Product Specification Codes

Read this

Benefits of BAUX Acoustic Wood Wool

BAUX Acoustic Wood Wool has all the ingredients for excellent acoustic design—performance, sustainability and a full palette of shapes and colours to play with. BAUX Acoustic Wood Wool assortment is carefully designed by

Unpacking and handling

Please handle BAUX products with care during unpacking and installation. Be sure to inspect materials upon delivery and note any damages on the delivery and notify BAUX immediately. Before installation, be sure to unwrap the packaging and let the products acclimatize at least 48 hours where the installation will take place. Let the products stay stacked.

Installation

BAUX Acoustic Wood Wool can be installed on both ceilings and walls using a variety of different installation methods, including the use of glue, screws and magnets. Suitable for projects of all kinds, Acoustic Wood Wool panels fulfil a range of acoustic treatment needs—from A to D class, and NRC requirements up to 0.95. Download the installation manuals at baux.com.

Shape modification

BAUX Wood Wool products can easily be cut to shape with a Hand Saw, Circular Saw or equal. The color does not run through the material so visible edges need touch up paint.

Repairs and field painting

Minor damages on the surface usually have little impact on the visual appearance since the boards have the same structure throughout the entire product. Field painting is possible using a long-haired paint roller or a hand sprayer. Water-based paint will not reduce the sound-absorbing performance of the panels. For larger paint work, use spray equipment with water-based paint and apply thin layers (approximately 0,4 liters/m2).

Use and maintenance

BAUX products do not require subsequent care. However, we recommend light cleaning using a vacuum cleaner with a brush nozzle. Should vacuum-cleaning prove insufficient, you can wipe the panels using a lightly damp cloth. Cleaning liquids may be used. In cases of heavy soiling, light cleaning with hot steam is proposed.

Reuse, recycling and deposition

Boards that have been disassembled in connection with renovation or demolition may be reused. Wood wool boards may be ground down and recycled as ballast and filling material, moisture absorbent sprinkling, substrate for running tracks etc.

If wood wool material is deposited in nature, no negative environmental impact arises, on the contrary it adds a calcium supplement. The composted product return safely to nature as a soil conditioner. The cement in the product boosts oxygen levels during the composting process and CO2 from the air binds to the cement particles, calcium is formed (carbonation). The wood adds organic material to the compost.

Tolerances

BAUX acoustic Wood Wool is a natural material and the composition will incur small variations in the panels. Inappropriate storage and lack of acclimatisation could alter panel dimension and weight.

Contact:

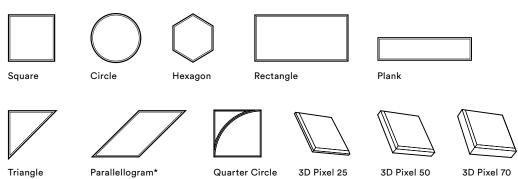
If you are interested in BAUX acoustic products, please get in touch. We ship globally through our headquarters and via local partners and representatives.

For more information, visit baux.com or contact us at info@baux.com.

BAUX HQ - Stockholm, Sweden baux.com/contact, 0046 (8) 21 07 07, info@baux.com

Tiles

Products: BAUX Acoustic Wood Wool Tiles



Dimensions: Tiles

Product:	Models:	Width: (mm & inch)	Height: (mm & inch)	Thickness: (mm & inch)	Pieces per m2 and sq.ft.
Square	Small	290 mm, 11.42"	290 mm, 11.42"	25 mm, 1.0"	11.82/m2, 1.10/sq.ft.
	Large	580 mm, 22.84"	580 mm, 22.84"	25 mm, 1.0"	2.97/m2, 0.28/sq.ft.
Quarter Circle	Small	290 mm, 11.42"	290 mm, 11.42"	25 mm, 1.0"	11.82/m2, 1.10/sq.ft.
	Large	580 mm, 22.84"	580 mm, 22.84"	25 mm, 1.0"	2.97/m2, 0.28/sq.ft.
Circle	Small	290 mm, 11.42"	290 mm, 11.42"	25 mm, 1.0"	15.14/m2, 1.41/sq.ft.
	Large	580 mm, 22.84"	580 mm, 22.84"	25 mm, 1.0"	3.78/m2, 0.35/sq.ft.
Hexagon	Small	290 mm, 11.42"	250 mm, 9.84"	25 mm, 1.0"	17.82/m2, 1.66/sq.ft.
	Large	580 mm, 22.84"	500 mm, 19.68"	25 mm, 1.0"	4.45/m2, 0.41/sq.ft.
Rectangle	Small	580 mm, 22.84"	290 mm, 11.42"	25 mm, 1.0"	5.95/m2, 0.55/sq.ft.
	Large	1160 mm, 45.7"	580 mm, 22.84"	25 mm, 1.0"	1.49/m2, 0.14/sq.ft.
Plank	Small	580 mm, 22.84"	145 mm, 5.71"	25 mm, 1.0"	11.89/m2, 1.10/sq.ft.
	Large	1160 mm, 45.7"	290 mm, 11.42"	25 mm, 1.0"	2.97/m2, 0.28/sq.ft.
Parallellogram	Small	290 mm, 11.42"	580 mm, 22.84"	25 mm, 1.0"	11.89/m2, 1.10/sq.ft.
	Large	580 mm, 22.84"	1160 mm, 45.7"	25 mm, 1.0"	2.97/m2, 0.28/sq.ft.
Triangle	Small	290 mm, 11.42"	290 mm, 11.42"	25 mm, 1.0"	23.78/m2, 2.21/sq.ft.
	Large	580 mm, 22.84"	580 mm, 22.84"	25 mm, 1.0"	5.95/m2, 0.55/sq.ft.
3D Pixel 25	t25	290 mm, 11.42"	290 mm, 11.42"	25 mm, 1.0"	11.89/m2, 1.10/sq.ft.
3D Pixel 50	t50	290 mm, 11.42"	290 mm, 11.42"	50 mm, 1.96"	11.89/m2, 1.10/sq.ft.
3D Pixel 70	t70	290 mm, 11.42"	290 mm, 11.42"	70 mm, 2.75"	11.89/m2, 1.10/sq.ft.

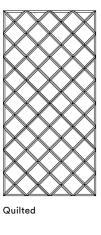
*Available left & right



Panels

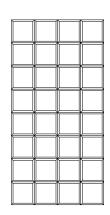
Products:

BAUX Acoustic Wood Wool Panels





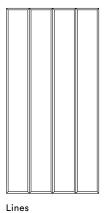


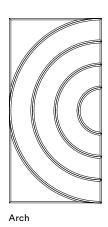


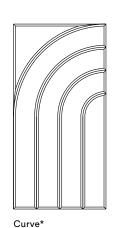
Stripes

Diagonal*

Check







Dimensions:

Panels

Product:	Width: (mm & inch)	Height: (mm & inch)	Thickness: (mm & inch)	Pieces per m2 and sq.ft.
Quilted	1160 mm, 45.7"	580 mm, 22.84"	25 mm, 1.0"	1.49/m2, 0.14/sq.ft.
Stripes	1160 mm, 45.7"	580 mm, 22.84"	25 mm, 1.0"	1.49/m2, 0.14/sq.ft.
Diagonal	1160 mm, 45.7"	580 mm, 22.84"	25 mm, 1.0"	1.49/m2, 0.14/sq.ft.
Check	1160 mm, 45.7"	580 mm, 22.84"	25 mm, 1.0"	1.49/m2, 0.14/sq.ft.
Lines	1160 mm, 45.7"	580 mm, 22.84"	25 mm, 1.0"	1.49/m2, 0.14/sq.ft.
Arch	1160 mm, 45.7"	580 mm, 22.84"	25 mm, 1.0"	1.49/m2, 0.14/sq.ft.
Curve	1160 mm, 45.7"	580 mm, 22.84"	25 mm, 1.0"	1.49/m2, 0.14/sq.ft.

*Available both left and right



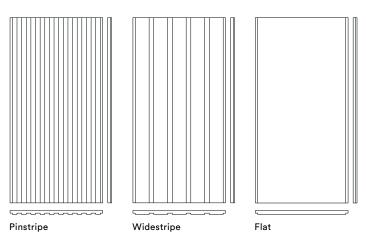






Ceiling panels

Products: BAUX Acoustic Wood Wool Ceiling



Dimensions: Ceiling panels

Product:	Width: (mm & feet)	Height: (mm & feet)	Thickness: (mm & inch)	Pieces per m2 and sq.ft.
Pinstripe	600 mm, 2 feet	1200 mm, 4 feet	25 mm, 1.0"	1.39/m2, 0.129/sq.ft.
Widestripe	600 mm, 2 feet	1200 mm, 4 feet	25 mm, 1.0"	1.39/m2, 0.129/sq.ft.
Flat	600 mm, 2 feet	1200 mm, 4 feet	25 mm, 1.0"	1.39/m2, 0.129/sq.ft.

Installation:

Wood Wool Ceiling panels can be installed with wood battens or in a lay-in grid. Two different methods are available for the lay-in grid, concealed grid or exposed grid. All panels come with tegular edges, the Flat panel is also available with a beveled edge.

Colours

6



Digital Toolkit

About:

BAUX Digital Toolkit is a free resource packed with downloadable files that help working professionals design, sketch and construct sustainable, beautiful and acoustically pleasing environments for spaces of every size.

Download the full toolkit or specific files at baux.com



3D/CAD

For many professionals, computer-aided design is an indispensable tool when it comes to visualising designs for upcoming projects. All of our Acoustic Wood Wool product files are available in formats compatible with AutoCAD, Sketchup, ArchiCAD, Rhino and more.

.3ds .dwg .dxf .igs .skp



BIM/Revit

Building information modelling is an essential tool used by professionals for virtual construction during the project planning process. All of our Acoustic Wood Wool product files are available in compatible formats, including detailed elements featuring BAUX colour schemes.

.rfa



Keynote and Powerpoint

If you need help getting the ideation process rolling, our ready-to-go presentation is an excellent catalyst.

Available in both Keynote and Powerpoint formats, it features "drag & drop" objects so you can start designing right away.

Great for workshops and client meetings.

.key .pptx



BAUX Patterns

BAUX Patterns makes it easier than ever to transform any space with a unique Acoustic Wood Wool design. Select from over 500 pre-measured 3D patterns, each designed to repeat like wallpaper so you can quickly calculate exactly how many tiles you'll need for your project.

.png .tiff .jpg .dwg .txt



Adobe Illustrator

An easy and efficient design tool, a lot of professionals choose Adobe Illustrator to help bring their creative visions to life. All of our Acoustic Wood Wool product files are ready to go in compatible formats for easy upload so you can start playing with shapes, colours and patterns.

.ai



Adobe Photoshop

A popular tool for editing photos and graphics.
Adobe Photoshop can help you perfect your presentation and exhibit your design at its fullest potential. To make things easier, we supply high-resolution pictures of all Acoustic Wood Wool products in vectorised PDF format.

.psd



Texture Files

The next best thing to experiencing it in person. Texture files give you an idea of what a material will bring to a space in terms of colour and feel. All of our Acoustic Wood Wool product files are available in texture file formats. Great for renderings or as colour samples.

[.ai]



Mounting DWG

When it's time to build, we have the information you'll need to translate your designs from drawings to real life. We provide mounting files in DWG format, which can be attached to drawings, as well as installation instructions for the entire BAUX Acoustic Wood Wool range.

.dwg

Digtial Toolkit BAUX

Compositions of Ingredients

About:

BAUX Acoustic Wood Wool is a functional, natural material made from two of the world's oldest building materials, wood and cement. The combination is simple and ingenious. Wood fiber offers excellent insulation, heat retention and sound absorption. Cement, a proven and popular building material, is the binder that provides strength, moisture resistance and fire protection. Therefore, BAUX acoustic products are versatile and durable in all climates.

Compositions of Material:	Ingredient:	Share (%):	Function:	Origin:	Supplier:	Certificates/other:
	Portland cement CAS: 65997-15-1	48%	Binder	SE & DK (20%/80%)	Cementa	
	Wood swedish fir	35%	Sound absorber. Visual look	Sweden (SE)	Own forest	FSC & PEFC
	Limestone powder CAS: 471-34-1	17%	Binder	Sweden (SE)	Nordkalk	

Visual look

Sustainable materials and CO₂ carbonation

Paint, water based

Materials and CO₂ carbonation:

8

BAUX wood fibers are certified – FSC® and PEFCTM – guaranteeing that it can be traced back to responsible forestry operations. The wood is collected from the swedish forest in the direct surrounding of the factory in order to minimize negative CO2 emissions caused by longer transport distances.

Finland (FI)

Group M1, The Swan

BAUX have carefully selected the world leading cement supplier in terms of sustainability. An advanced system for Carbon Dioxide Capturing is in place ensuring that CO2 emissions from the manufacturing limestone heating process is absorbed and re-captured in porous stone materials. Once installed, BAUX Acoustic Wood Wool panels also capture CO2 from the surrounding air in a reactive process called carbonation. The limestone in the cement reverts back to its original state when CO2 is collected. Independent tests show that BAUX Acoustic Wood Wool, thanks to its open material structure, is able to carbonate as much as 70% of the CO2 that was emitted during the manufacturing process.

Compositions of Ingriedients BAUX

Certificates and Standards

Production: Production locations: Raw material: Sweden, Finishing: Sweden, USA, Australia.

Waste in production: 80% of waste (wood wool) from production is used to heat the factory drying

and wplant. No waste is produced from the timber log.

Fire & standards: Classification: US - ASTM E84: A-classed, flame spread 0, smoke developed 0

EU - EN 13823 & EN ISO 11925-2: B-s1, d0

CA - CAN/ULC S102-18: Flame spread 0, smoke developed 10

AU & NZ - Standard 3837: Group 1

Extinguishing

media:

Water, carbon dioxide, foam or dry chemicals

Emissions: Regulation/protocol (VOC Test Report Indoor Air Comfort GOLD)

French VOC Regulation:

French CMR components: Pass

AgBB/ABG: Pass

Belgian Regulation: Pass

Indoor Air Comfort*: Pass

Indoor Air Comfort GOLD®: Pass

EN 717-1§: E1

BREEAM International: Compliant

LEED v4: Compliant

BREEAM® NOR: Pass

M1 Compliant

Collaborations & supplier certificate





BYGGVARUBEDÖMNINGEN





Harmonized standard:

9

SS-EN 13168:2012+A1:2015 - Thermal insulation products for buildings, factory made

wood wool products

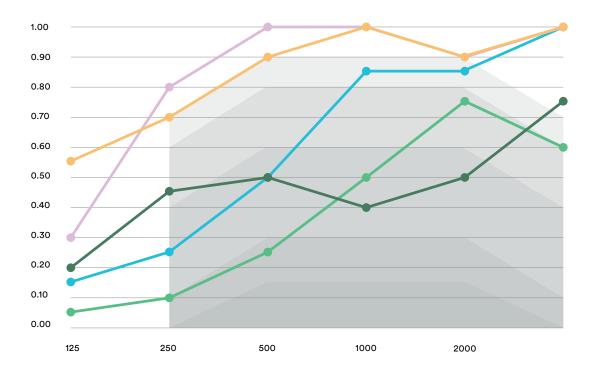
SS-EN 13964:2014 - Suspended Ceilings

Certificate and Standards BAUX

Acoustic Performance

Absorption Coefficient*

10



Frequency Hz

*An absorption coefficient is one of the key efficiency markers for acoustic materials, showing how much sound is absorbed at different frequencies. In the absorption spectrum, 0 indicates perfect reflection, and 1 indicates perfect absorption. Which one is ideal? It really depends on the kind of acoustic landscape you are aiming to build. While some spaces require maximum tranquility, in others, a bit more bustle and ambience may be desired. Our assortment addresses a range of absorption needs to help you achieve your goals.

	Installation	αw	NRC	SAA	Class
•	BAUX 25 mm	0.30	0.40	0.41	D
•	3D Pixel	0.50 (MH)	0.60	0.62	D
•	BAUX 25 mm +40 mm Stone Wool	1.0 (H)	0.95	0.95	А
•	BAUX 25 mm +200 mm slot	0.50 (H)	0.45	0.46	D
	BAUX 25 mm +40 mm Stone Wool + 200 mm slot	0.90 (H)	0.90	0.90	А

Physical appearance and performance

Physical appearance & performance:

Appearance: Interior/Exterior wall or Steam coefficient 4-5×10-6m2/s ceiling panels. permeability: Air permeability: ~20 m3/m2hPa Colours: Unpainted or painted Odour: Light reflection: Unpainted 43%, White painted 69% (lower Solubility in water: for darker colours) None ~300kg/m3 (11kg/m2 = 2.25 0,007 MPa Density: Tensile strength: lbs/ft2 t25mm) Compression 0,4 MPa No measurable particle Dust: strength: attraction Flexural strength: 0,7 MPa Emissions: <11µg/m2 x h 4 mm (0.05 MPa pressure), Deformation: 5mm (0.10 MPa pressure) Asbestos release: No content Recycled content: None TVOC emission Harmful additivies: rate (µg/m2h): (unpainted/painted)* None VVOC emission Red list chemicals: None rate (µg/m2h): Product lifetime: 50 years SVOC emission <2* RD m2·K/W = 0,294 (25 rate (µg/m2h): Thermal resistance: mm) 0,588 (50 mm) and 0,823 (70 mm) Formaldehyde <1* (µg/m2h): Average 0,085 W/m°C (25 Thermal conductivity: mm thickness)

Stability: Stable; Conditions to avoid: None known

Stability and

reactivity:

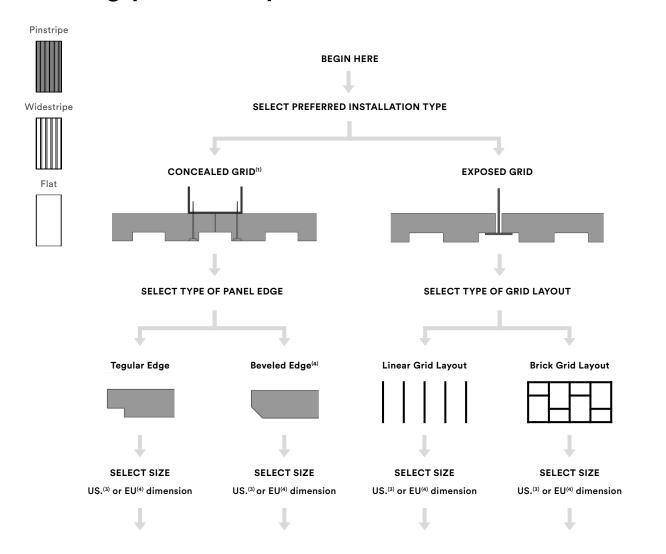
Specification Codes Tiles & Panels

Large tiles:	Product: Large Hexagon Spec Code	Product: Large Triangle Spec Code	Product: Large Circle Spec Code
	BAUX-WIt-001	BAUX-WIt-004	BAUX-WIt-007
	Product: Large Rectangle Spec Code	Product: Large Parallel R Spec Code	Product: Large Plank Spec Code
	BAUX-Wit-002	BAUX-Wit-005	BAUX-WpI-002
	Product: Large Square Spec Code	Product: Large Parallel L Spec Code	Product: Large Quarter Cirle Spec Code
	BAUX-WIt-003	BAUX-WIt-006	BAUX-WIt-009
Small tiles:	Product: 3D Square t25	Product: Small Hexagon	Product: Small Triangle
	Spec Code	Spec Code	Spec Code
	BAUX-W3d-001	BAUX-Wst-002	BAUX-Wst-005
	Product: 3D Square t50 Spec Code	Product: Small Rectangle Spec Code	Product: Small Parallel R Spec Code
	BAUX-W3d-002	BAUX-Wst-003	BAUX-Wst-006
	Product: 3D Square t70	Product: Small Square	Product: Small Parallel L
	Spec Code	Spec Code	Spec Code
	BAUX-W3d-003	BAUX-Wst-004	BAUX-Wst-007
	Product: Small Circle Spec Code	Product: Small Plank Spec Code	Product: Small Quarter Circle Spec Code
	BAUX-Wst-008	BAUX-Wps-001	BAUX-Wit-009
Panels:	Product: Panel Diagonal R Spec Code	Product: Panel Stripe Spec Code	Product: Panel Curve R Spec Code
	BAUX-Wst-005	BAUX-Wpa-001	BAUX-Wpa-008
	Brox vist dod	Brox wpa doi	brox wpa ddd
	Product: Panel Diagonal L	Product: Panel Line	Product: Panel Curve L
	Spec Code	Spec Code	Spec Code
	BAUX-Wst-006	BAUX-Wpa-002	BAUX-Wpa-009
	Product: Panel Check	Product: Panel Quilted	Product: Panel Arch
	Spec Code	Spec Code	Spec Code
	BAUX-Wst-003	BAUX-Wpa-004	BAUX-Wpa-007
Colour Codes:	"" = Color code		
	00 = Natural	11 = Sky Day Blue	
	01 = Clouds Black 02 = Clouds Dark Grey	12 = Sky Dusk Blue	
	02 = Clouds Dark Grey 03 = Clouds Grey	13 = Heat Clay Red 14 = Heat Rust Red	
	04 = Clouds White	15 = Heat Skin Red	
	05 = Woods Pine Green	16 = Heat Peach Red	
	06 = Woods Moss Green	17 = Earth Soil Brown	
	07 = Woods Bright Green 08 = Woods Pale Green	18 = Earth Brown 19 = Earth Sand Brown	
	08 = Woods Pale Green 09 = Sky Navy Blue	20 = Earth Dust Brown	
	10 = Sky Antique Blue		

09 = Sky Navy Blue 10 = Sky Antique Blue

BAUX 12 **Product Specification Codes**

Ceiling panels - Specification GUIDE



	2s = Two Sides ⁽²⁾ US = Imperial ⁽³⁾ EU = European meter ⁽⁴⁾	4s = Four Sides ⁽²⁾ US = Imperial ⁽³⁾ EU = European meter ⁽⁴⁾	2s = Two Sides ⁽²⁾ US = Imperial ⁽³⁾ EU = European meter ⁽⁴⁾	4s = Four Sides ⁽²⁾ US = Imperial ⁽³⁾ EU = European meter ⁽⁴⁾
Pinstripe:	Available	NOT Available ⁽⁵⁾	Available	Available
Widestripe:	Available	NOT Available ⁽⁵⁾	Available	Available
Flat:	Available	Available	Available	Available

¹⁾ Grid can be either a suspended drywall grid or wooden battens in according to BAUX installation instructions

²⁾ Number of edges being Tegular or Bevelled. 2s. always refer to the two long sides of the panels leaving the short edges straight (no bevel, not tegular)

³⁾ All BAUX Ceiling panels are offered in US imperial dimensions, i.e. Concealed Grid 2×4 ft. and sizes for Exposed Lay In Grid 23.8×47.8"

⁴⁾ All BAUX Ceiling panels are offered in EU metric dimensions, i.e. Concealed Grid 600×1200 mm and sizes for Exposed Lay-In Grid 593×1193mm

⁵⁾ FLAT panels available with bevelled edge. PINSTRIPE and WIDESTRIPE panels are NOT available with bevelled edge, they come with tegular edge

Specification Codes - Ceiling Panels

Product Name	Description:
FLAT - CT2s.EU	Concealed Grid, Tegular Edge 2 sides, EU.600×1200
FLAT - CT2s.US	Concealed Grid, Tegular Edge 2 sides, US.2×4 ft
FLAT - ET2s.EU	Exposed Lay-In, Tegular Edge 2 sides, EU.593×1193
FLAT - ET2s.US	Exposed Lay-In, Tegular Edge 2 sides, US.23.8×47.8"
FLAT - ET4s.EU	Exposed Lay-In, Tegular Edge 4 sides, EU.593×1193
FLAT - ET4s.US	Exposed Lay-In, Tegular Edge 4 sides, US.23.8×47.8"
FLAT - CB4s.EU	Concealed Grid, Bevelled Edge 4 sides, EU.600×1200
FLAT - CB4s.US	Concealed Grid, Bevelled Edge 4 sides, US.2×4 ft
WIDESTRIPE - CT2s.EU	Concealed Grid, Tegular Edge 2 sides, EU.600×1200
WIDESTRIPE - CT2s.US	Concealed Grid, Tegular Edge 2 sides, US.2×4 ft
WIDESTRIPE - ET2s.EU	Exposed Lay-In, Tegular Edge 2 sides, EU.593×1193
WIDESTRIPE - ET2s.US	Exposed Lay-In, Tegular Edge 2 sides, US.23.8×47.8"
WIDESTRIPE - ET4s.EU	Exposed Lay-In, Tegular Edge 4 sides, EU.593×1193
WIDESTRIPE - ET4s.US	Exposed Lay-In, Tegular Edge 4 sides, US.23.8×47.8"
PINSTRIPE - CT2s.EU	Concealed Grid, Tegular Edge 2 sides, EU.600×1200
PINSTRIPE - CT2s.US	Concealed Grid, Tegular Edge 2 sides, US.2×4 ft
PINSTRIPE - ET2s.EU	Exposed Lay-In, Tegular Edge 2 sides, EU.593×1193
PINSTRIPE - ET2s.US	Exposed Lay-In, Tegular Edge 2 sides, US.23.8×47.8"
PINSTRIPE - ET4s.EU	Exposed Lay-In, Tegular Edge 4 sides, EU.593×1193
PINSTRIPE - ET4s.US	Exposed Lay-In, Tegular Edge 4 sides, US.23.8×47.8"
	Name FLAT - CT2s.EU FLAT - CT2s.US FLAT - ET2s.US FLAT - ET2s.US FLAT - ET4s.EU FLAT - ET4s.EU FLAT - CB4s.EU FLAT - CB4s.EU FLAT - CB4s.US WIDESTRIPE - CT2s.EU WIDESTRIPE - CT2s.EU WIDESTRIPE - ET2s.EU WIDESTRIPE - ET4s.EU WIDESTRIPE - ET4s.EU WIDESTRIPE - ET4s.EU WIDESTRIPE - ET4s.EU PINSTRIPE - CT2s.EU PINSTRIPE - ET2s.EU

Colour codes



BAUX

BAUX

Let's build!