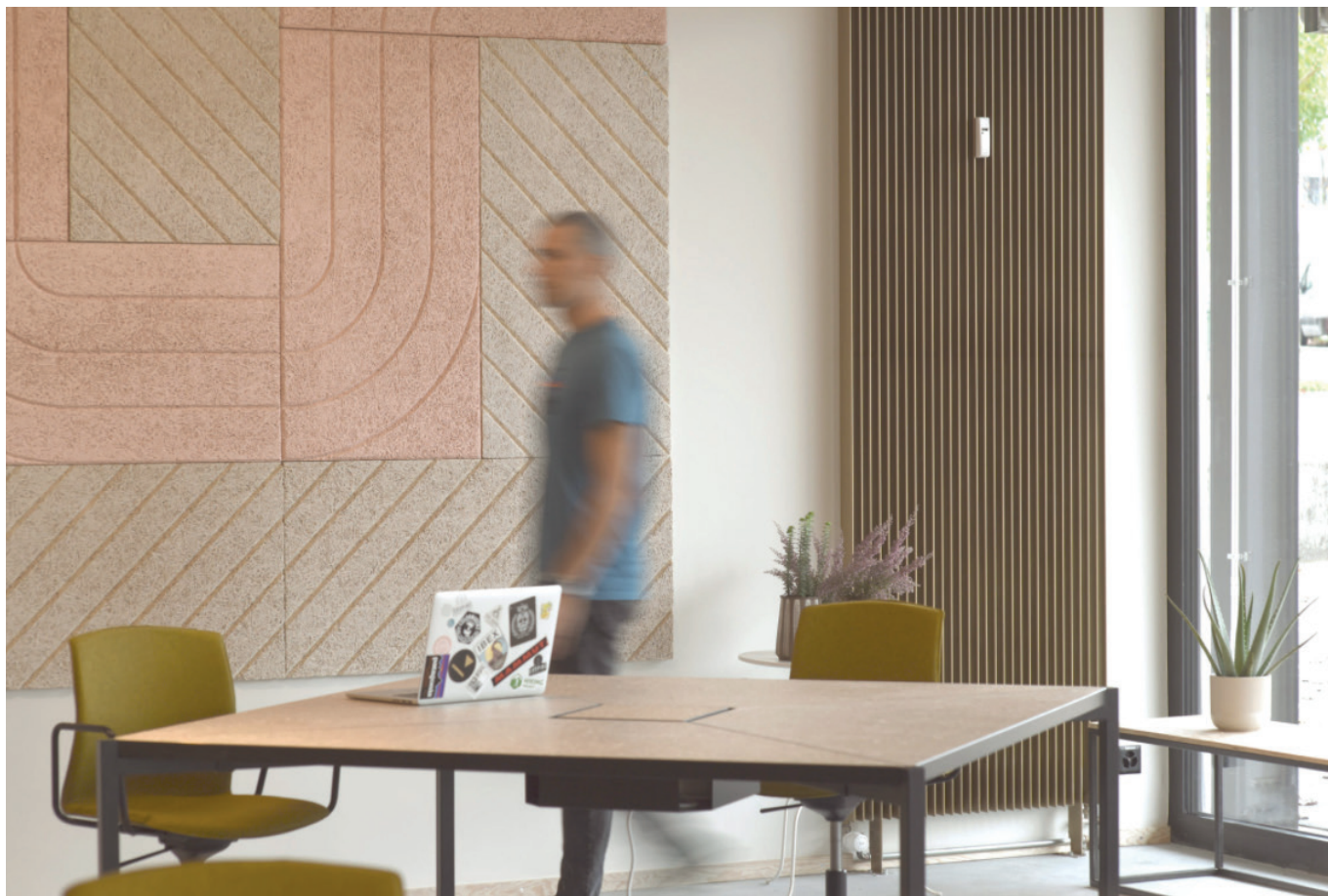




Stripes



Quilted



Lines



Diagonal



Curve



Check



Arch

BAUX WOOD WOOL PANELS

Brochure

ACOUSTIC PANELS

QUILT

1.49 tiles per m²
25 mm thick



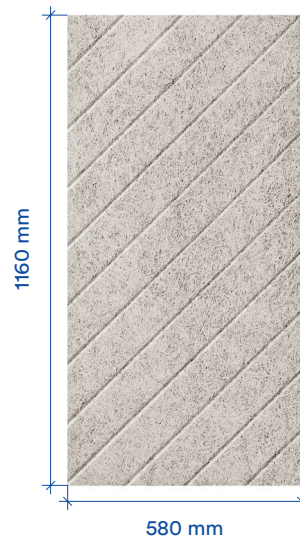
STRIPES

1.49 tiles per m²
25 mm thick



DIAGONAL

1.49 tiles per m²
25 mm thick



LINES

1.49 tiles per m²
25 mm thick



CHECK

1.49 tiles per m²
25 mm thick



ARCH

1.49 tiles per m²
25 mm thick



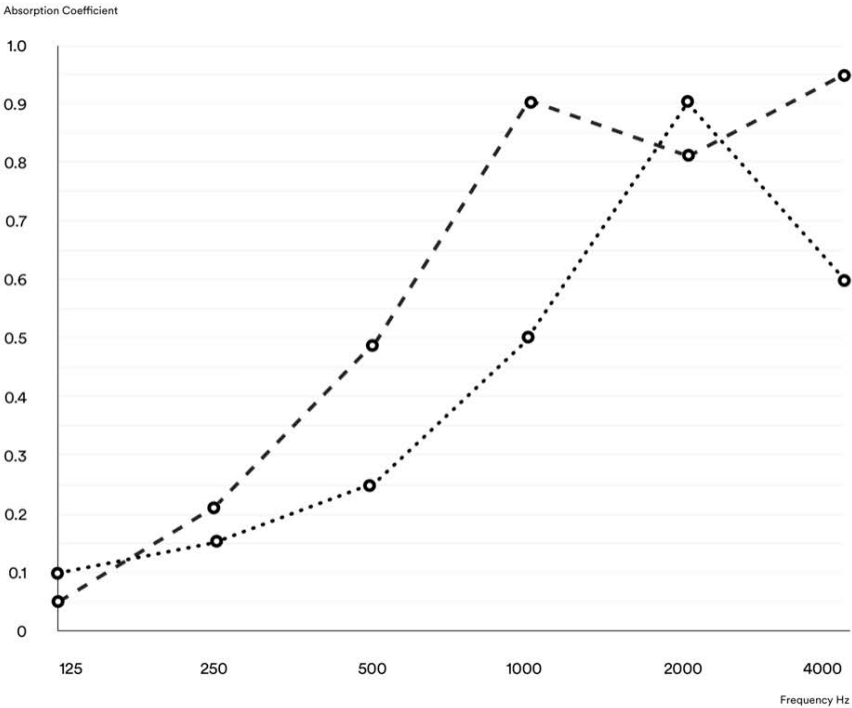
CURVE

1.49 tiles per m²
25 mm thick



Excellent sound absorption

- BAUX Wood Wool 3D Pixel
- BAUX Wood Wool Panels & Tiles



Clouds	Earth and Mountain	Heat of the Sun	Sky in the sea	Woods
Clouds Black	Earth Soil Brown	Heat Clay Red	Sky Navy Blue	Woods Pine Green
Clouds Dark Grey	Earth Brown	Heat Rust Red	Sky Antique Blue	Woods Moss Green
Clouds Grey	Earth Sand Brown	Heat Skin Red	Sky Day Blue	Woods Bright Green
Clouds White	Earth Dust Brown	Heat Peach Red	Sky Dusk Blue	Woods Pale Green



Natural color (unpainted)



Custom colors available on request

MATERIAL DATA SHEET – ACOUSTIC WOOD WOOL

BAUX ACOUSTIC WOOD WOOL PRODUCTS

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. BAUX is made from certified wood – FSC® and PEFC™ – guaranteeing that it can be traced back to responsible forestry operations. 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.

COMPOSITION OF INGREDIENTS						
Ingredient	CAS	Share (%)	Function	Origin	Supplier	Certificates / other
(1) PORTLAND CEMENT	65997-15-1	48%	Binder	SE & DK (20%/80%)	Cementa	
(2) WOOD SWEDISH FIR		35%	Sounds absorber, visual look	Sweden (SE)	Own forest	FSC & PEFC
(3) LIMESTONE POWDER	471-34-1	17%	Binder	Sweden (SE)	Nordkalk	
(4) PAINT, WATER BASED		<1%	Visual Look	Finland (FI)	Teknos	Group M1, The Swan

PHYSICAL APPEARANCE & PERFORMANCE			
Appearance:	Interior/Exterior wall or ceiling panels	Thermal resistance	RD m ² ·K/W = 0,294 (25mm) 0,588 (50 mm) and 0,823 (70 mm)
Colors:	Unpainted or painted – see next page	Thermal conductivity	λ _{average} 0,085 W/m°C (25 mm thickness)
Odor:	None	Steam coefficient permeability.	4 - 5 x 10 ⁻⁶ m ² /s.
Solubility in water:	None	Air permeability	~20 m ³ /m ² hPa
Density:	~300 kg/m ³ (11 kg/m ² = 2.25 lbs/ft ² t25mm)	Light Reflection	Unpainted 43%, White Painted 69% (lower for darker colors)
Dust: ⁽¹⁾	No measurable particle attraction	Tensile Strength	0,007 MPa
Emissions: ⁽²⁾	< 11µg/m ² x h	Compression strength	0,4 MPa
Asbestos release:	No content	Flexural Strength	0,7 MPa
Recycled content:	None	Deformation	4 mm (0.05 MPa pressure), 5 mm (0.10 MPa pressure)
Harmful additives:	None	TVOC emission rate (µg/m ² h):	14/33 (unpainted/painted)*
Red list chemicals:	None	VVOC emission rate (µg/m ² h):	97*
Product life time:	50 years	SVOC emission rate (µg/m ² h):	< 2*
		Formaldehyde (µg/m ² h)	< 1*

(1) RNK & Sitac blasted 10 year old tiles with air jet (2) Swedish Institute of Technical Research - Protocol 90K10102 * measured after 28 days, report RISE Research Institutes of Sweden AB

REACTION TO FIRE & STANDARDS	
Classification	A-Classed according to ASTM E84 standard (Flame spread Index = 0 Smoke developed index = 0) B-s1, d0 according to EN 13823 EN ISO 11925-2
Extinguishing media	Water, Carbon Dioxide, Foam or Dry Chemical
Harmonized standard	SS-EN 13168:2012+A1:2015 - Thermal insulation products for buildings, factory made wood wool products SS-EN 13964:2014 - Suspended Ceilings
Stability and reactivity	Stability: Stable, Conditions to avoid: None known

ACOUSTICAL CHARACTERISTICS						
Installation method			α _w	NRC	SAA	Class
Direct Mounted on Concrete Wall	1	BAUX 25mm Any shape	0.30	0.40	0.41	D
	2	BAUX 3D PIXEL Equal amount of t25/t50/t70 mm	0.50 (MH)	0.60	0.62	D
	3	BAUX 25mm 40 mm Stone Wool	1.0 (H)	0.95	0.95	A
Air Slot between Concrete Wall and BAUX material	4	BAUX 25 mm 200 mm slot	0.50 (H)	0.45	0.46	D
	5	BAUX 25mm + 40 mm Stone Wool 200 mm slot	0.90 (H)	0.90	0.90	A

α_w = Weighted sound absorption coefficient NRC = Noise Reduction Coefficient SAA = Sound Absorption Average (ASTM C423)
Stone Wool in use: 40mm stone wool panel 140 kg/m² Using Stone Wool as backing may require screws to fix the tiles appropriately, or a frame around the tiles

COLOUR SCHEME

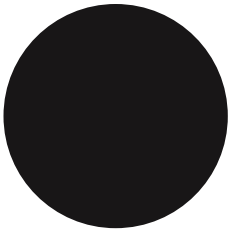
CLOUDS

WOODS

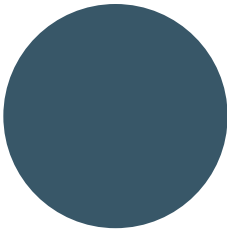
SKY IN
THE SEA

HEAT OF
THE SUN

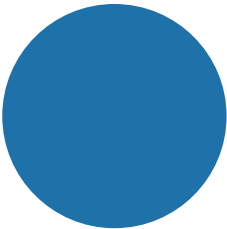
EARTH AND
MOUNTAIN



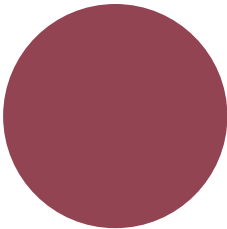
NCS 9000-N



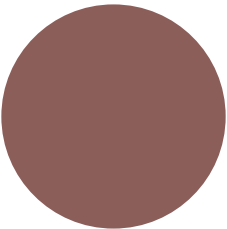
NCS S 6020-B



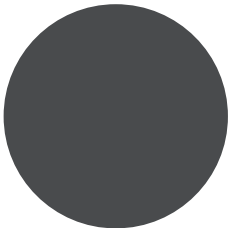
NCS S 3050-R90B



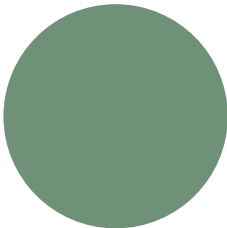
NCS S 4040-R10B



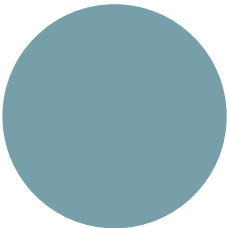
NCS S 5020-Y90R



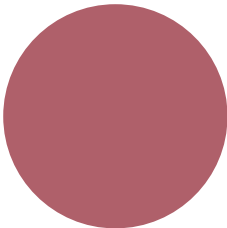
NCS S 7502-B



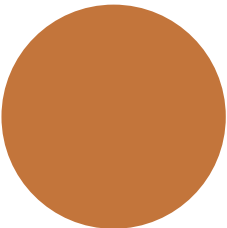
NCS S 4020-G10Y



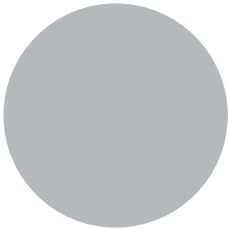
NCS S 3020-B10G



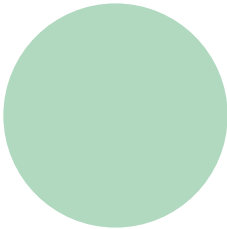
NCS 3040-R10B



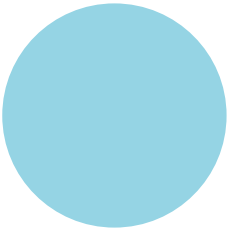
NCS 3050-Y40R



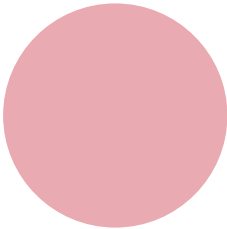
NCS S 2502-B



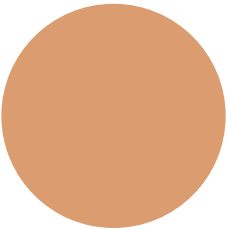
NCS S 1020-G



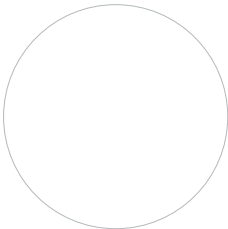
NCS S 0530-B10G



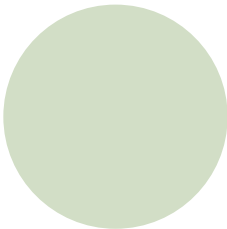
NCS S 1030-R10B



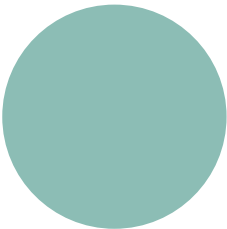
NCS S 2030-Y40R



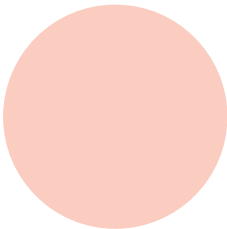
NCS S 0300-N



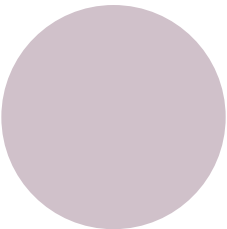
NCS S 1010-G30Y



NCS S 2020-B70G



NCS S 0520-Y80R



NCS S 1510-R40B