



BAUX WOOD WOOL 3D PIXEL

Brochure

3D PIXEL

11.9 tiles per m²



70

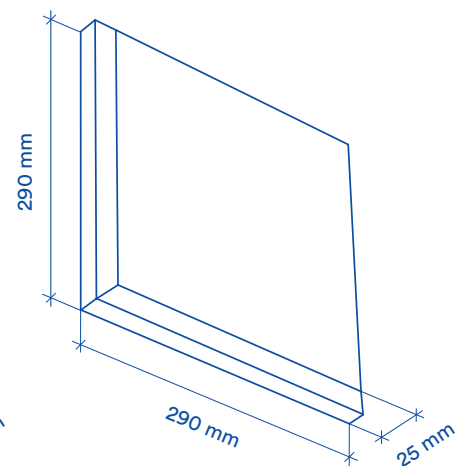
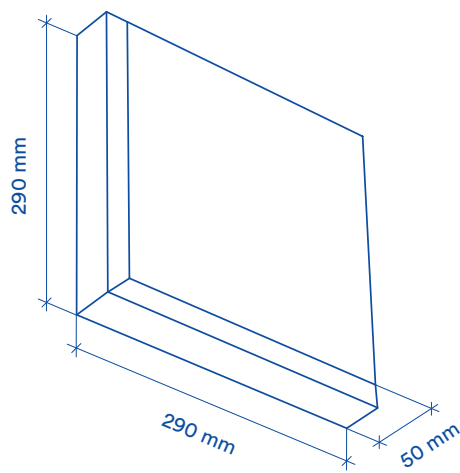
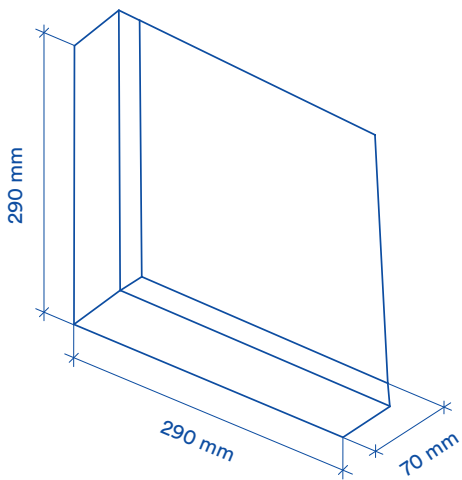
70 mm thick

50

50 mm thick

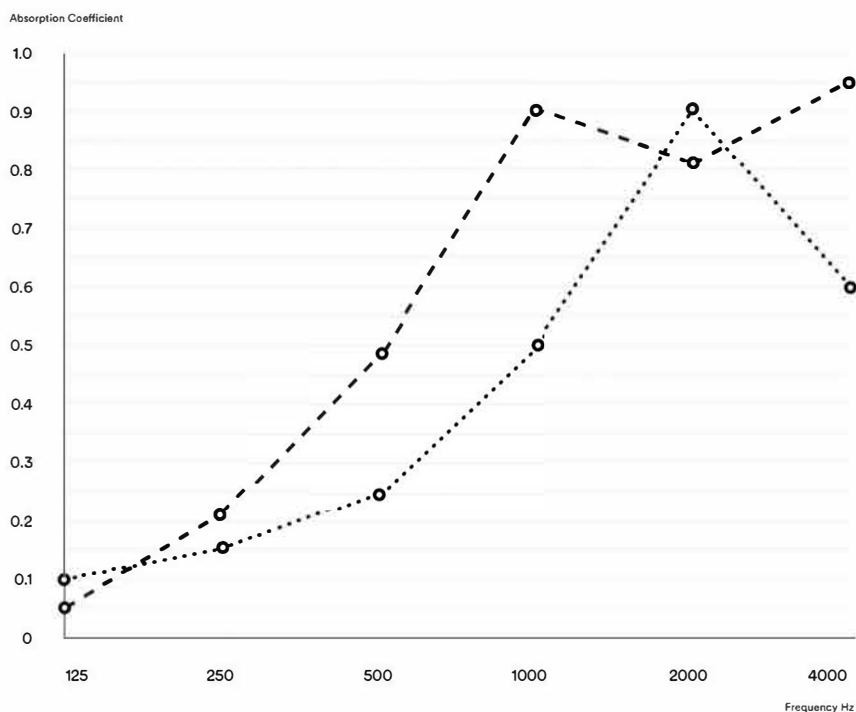
25

25 mm thick



Excellent sound absorption

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



Clouds

Clouds Black



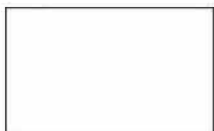
Clouds Dark Grey



Clouds Grey



Clouds White



Earth and Mountain

Earth Soil Brown



Earth Brown



Earth Sand Brown



Earth Dust Brown



Heat of the Sun

Heat Clay Red



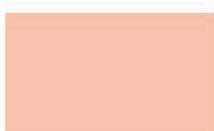
Heat Rust Red



Heat Skin Red



Heat Peach Red



Sky in the sea

Sky Navy Blue



Sky Antique Blue



Sky Day Blue



Sky Dusk Blue



Woods

Woods Pine Green



Woods Moss Green



Woods Bright Green



Woods Pale Green



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	Absorption coefficient	
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

BAUX

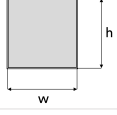
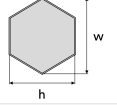
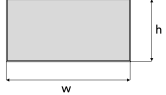
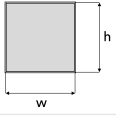
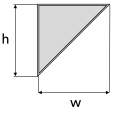
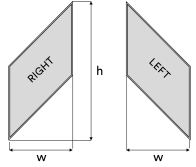
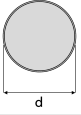
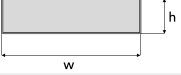
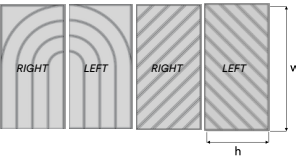
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PRODUCTION & CERTIFICATES

Production locations	Raw material: Ydre, Sweden Finishing: Ydre, Sweden & Maryland, USA		
Waste in production	80% of waste (wood wool) from production is used for heating of the factory and the drying plant. No waste for the timber log.		
Regulation/protocol (VOC Test Report Indoor Air Comfort GOLD)	French VOC Regulation		Indoor Air Comfort GOLD® Pass
	French CMR components	Pass	EN 717-1 [§] E1
	AgBB/ABG	Pass	BREEAM International Compliant
	Belgian Regulation	Pass	LEED v4 Compliant
	Indoor Air Comfort®	Pass	BREEAM® NOR Pass
Collaborations & supplier certificate	     		

*Sundahus rating: A

PRODUCT DIMENSIONS

Shape	Diagram	w [mm]	h [mm]	t [mm]	pieces/m ²	w [-inch]	h [-inch]	t [-inch]	pieces/sq.ft.	
3D PIXEL		t25	290	290	25	11.89	11.42	11.42	1.0	1.10
		t50	290	290	50	11.89	11.42	11.42	2.0	1.10
		t70	290	290	70	11.89	11.42	11.42	2.75	1.10
HEXAGON		Mini	220	190	25	31.29	8.66	7.48	1.0	2.91
		Small	290	250	25	17.82	11.42	9.84	1.0	1.66
		Large	580	500	25	4.45	22.84	19.68	1.0	0.41
RECTANGLE		Small	580	290	25	5.95	22.84	11.42	1.0	0.55
		Large	1160	580	25	1.49	45.7	22.84	1.0	0.14
SQUARE		Small	290	290	25	11.89	11.42	11.42	1.0	1.10
		Large	580	580	25	2.97	22.84	22.84	1.0	0.28
TRIANGLE		Small	290	290	25	23.78	11.42	11.42	1.0	2.21
		Large	580	580	25	5.95	22.84	22.84	1.0	0.55
PARALLELOGRAM		Small	290	580	25	11.89	11.42	22.84	1.0	1.10
		Large	580	1160	25	2.97	22.84	45.7	1.0	0.28
CIRCLE		Small	diameter [mm]		t [mm]	pieces/m ²	diameter [-inch]	t [-inch]	pieces/sq.ft.	
		Large	290	25	15.14	11.42	1.0	1.41		
PLANK		Small	580	145	25	11.89	22.84	5.71	1.0	1.10
		Large	1160	290	25	2.97	45.7	11.42	1.0	0.28
PANEL		w [mm]	h [mm]	t [mm]	pieces/m ²	w [-inch]	h [-inch]	t [-inch]	pieces/sq.ft.	
	All shapes (1)	1160	580	25	1.49	45.7	22.84	1.0	0.14	

(1) BAUX PANELS are available in 7 different surface structures. DIAGONAL (left & right), QUILTED, CHECK, LINES, STRIPES, ARCH and CURVE (left & right). Visit www.baux.se for more info

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BAUX ACOUSTIC WOOD WOOL - SMALL TILES

Product	Color	Spec Code	Product	Color	Spec Code	Product	Color	Spec Code
3D Square t25	Natural	BAUX-W3D-001-00	S Hexagon	Natural	BAUX-WST-002-00	S Parallel [R]	Natural	BAUX-WST-006-00
	Clouds Black	BAUX-W3D-001-01		Clouds Black	BAUX-WST-002-01		Clouds Black	BAUX-WST-006-01
	Clouds Dark Grey	BAUX-W3D-001-02		Clouds Dark Grey	BAUX-WST-002-02		Clouds Dark Grey	BAUX-WST-006-02
	Clouds Grey	BAUX-W3D-001-03		Clouds Grey	BAUX-WST-002-03		Clouds Grey	BAUX-WST-006-03
	Clouds White	BAUX-W3D-001-04		Clouds White	BAUX-WST-002-04		Clouds White	BAUX-WST-006-04
	Woods Pine Green	BAUX-W3D-001-05		Woods Pine Green	BAUX-WST-002-05		Woods Pine Green	BAUX-WST-006-05
	Woods Moss Green	BAUX-W3D-001-06		Woods Moss Green	BAUX-WST-002-06		Woods Moss Green	BAUX-WST-006-06
	Woods Bright Green	BAUX-W3D-001-07		Woods Bright Green	BAUX-WST-002-07		Woods Bright Green	BAUX-WST-006-07
	Woods Pale Green	BAUX-W3D-001-08		Woods Pale Green	BAUX-WST-002-08		Woods Pale Green	BAUX-WST-006-08
	Sky Navy Blue	BAUX-W3D-001-09		Sky Navy Blue	BAUX-WST-002-09		Sky Navy Blue	BAUX-WST-006-09
	Sky Antique Blue	BAUX-W3D-001-10		Sky Antique Blue	BAUX-WST-002-10		Sky Antique Blue	BAUX-WST-006-10
	Sky Day Blue	BAUX-W3D-001-11		Sky Day Blue	BAUX-WST-002-11		Sky Day Blue	BAUX-WST-006-11
	Sky Dusk Blue	BAUX-W3D-001-12		Sky Dusk Blue	BAUX-WST-002-12		Sky Dusk Blue	BAUX-WST-006-12
	Heat Clay Red	BAUX-W3D-001-13		Heat Clay Red	BAUX-WST-002-13		Heat Clay Red	BAUX-WST-006-13
	Heat Rust Red	BAUX-W3D-001-14		Heat Rust Red	BAUX-WST-002-14		Heat Rust Red	BAUX-WST-006-14
	Heat Skin Red	BAUX-W3D-001-15		Heat Skin Red	BAUX-WST-002-15		Heat Skin Red	BAUX-WST-006-15
	Heat Peach Red	BAUX-W3D-001-16		Heat Peach Red	BAUX-WST-002-16		Heat Peach Red	BAUX-WST-006-16
	Earth Soil Brown	BAUX-W3D-001-17		Earth Soil Brown	BAUX-WST-002-17		Earth Soil Brown	BAUX-WST-006-17
	Earth Brown	BAUX-W3D-001-18		Earth Brown	BAUX-WST-002-18		Earth Brown	BAUX-WST-006-18
	Earth Sand Brown	BAUX-W3D-001-19		Earth Sand Brown	BAUX-WST-002-19		Earth Sand Brown	BAUX-WST-006-19
Earth Dust Brown	BAUX-W3D-001-20	Earth Dust Brown	BAUX-WST-002-20	Earth Dust Brown	BAUX-WST-006-20			
3D Square t50	Natural	BAUX-W3D-002-00	S Rectangle	Natural	BAUX-WST-003-00	S Parallel [L]	Natural	BAUX-WST-007-00
	Clouds Black	BAUX-W3D-002-01		Clouds Black	BAUX-WST-003-01		Clouds Black	BAUX-WST-007-01
	Clouds Dark Grey	BAUX-W3D-002-02		Clouds Dark Grey	BAUX-WST-003-02		Clouds Dark Grey	BAUX-WST-007-02
	Clouds Grey	BAUX-W3D-002-03		Clouds Grey	BAUX-WST-003-03		Clouds Grey	BAUX-WST-007-03
	Clouds White	BAUX-W3D-002-04		Clouds White	BAUX-WST-003-04		Clouds White	BAUX-WST-007-04
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	Woods Moss Green	BAUX-W3D-002-06		Woods Moss Green	BAUX-WST-003-06		Woods Moss Green	BAUX-WST-007-06
	Woods Bright Green	BAUX-W3D-002-07		Woods Bright Green	BAUX-WST-003-07		Woods Bright Green	BAUX-WST-007-07
	Woods Pale Green	BAUX-W3D-002-08		Woods Pale Green	BAUX-WST-003-08		Woods Pale Green	BAUX-WST-007-08
	Sky Navy Blue	BAUX-W3D-002-09		Sky Navy Blue	BAUX-WST-003-09		Sky Navy Blue	BAUX-WST-007-09
	Sky Antique Blue	BAUX-W3D-002-10		Sky Antique Blue	BAUX-WST-003-10		Sky Antique Blue	BAUX-WST-007-10
	Sky Day Blue	BAUX-W3D-002-11		Sky Day Blue	BAUX-WST-003-11		Sky Day Blue	BAUX-WST-007-11
	Sky Dusk Blue	BAUX-W3D-002-12		Sky Dusk Blue	BAUX-WST-003-12		Sky Dusk Blue	BAUX-WST-007-12
	Heat Clay Red	BAUX-W3D-002-13		Heat Clay Red	BAUX-WST-003-13		Heat Clay Red	BAUX-WST-007-13
	Heat Rust Red	BAUX-W3D-002-14		Heat Rust Red	BAUX-WST-003-14		Heat Rust Red	BAUX-WST-007-14
	Heat Skin Red	BAUX-W3D-002-15		Heat Skin Red	BAUX-WST-003-15		Heat Skin Red	BAUX-WST-007-15
	Heat Peach Red	BAUX-W3D-002-16		Heat Peach Red	BAUX-WST-003-16		Heat Peach Red	BAUX-WST-007-16
	Earth Soil Brown	BAUX-W3D-002-17		Earth Soil Brown	BAUX-WST-003-17		Earth Soil Brown	BAUX-WST-007-17
	Earth Brown	BAUX-W3D-002-18		Earth Brown	BAUX-WST-003-18		Earth Brown	BAUX-WST-007-18
	Earth Sand Brown	BAUX-W3D-002-19		Earth Sand Brown	BAUX-WST-003-19		Earth Sand Brown	BAUX-WST-007-19
Earth Dust Brown	BAUX-W3D-002-20	Earth Dust Brown	BAUX-WST-003-20	Earth Dust Brown	BAUX-WST-007-20			
3D Square t70	Natural	BAUX-W3D-003-00	S Square	Natural	BAUX-WST-004-00	S Circle	Natural	BAUX-WST-008-00
	Clouds Black	BAUX-W3D-003-01		Clouds Black	BAUX-WST-004-01		Clouds Black	BAUX-WST-008-01
	Clouds Dark Grey	BAUX-W3D-003-02		Clouds Dark Grey	BAUX-WST-004-02		Clouds Dark Grey	BAUX-WST-008-02
	Clouds Grey	BAUX-W3D-003-03		Clouds Grey	BAUX-WST-004-03		Clouds Grey	BAUX-WST-008-03
	Clouds White	BAUX-W3D-003-04		Clouds White	BAUX-WST-004-04		Clouds White	BAUX-WST-008-04
	Woods Pine Green	BAUX-W3D-003-05		Woods Pine Green	BAUX-WST-004-05		Woods Pine Green	BAUX-WST-008-05
	Woods Moss Green	BAUX-W3D-003-06		Woods Moss Green	BAUX-WST-004-06		Woods Moss Green	BAUX-WST-008-06
	Woods Bright Green	BAUX-W3D-003-07		Woods Bright Green	BAUX-WST-004-07		Woods Bright Green	BAUX-WST-008-07
	Woods Pale Green	BAUX-W3D-003-08		Woods Pale Green	BAUX-WST-004-08		Woods Pale Green	BAUX-WST-008-08
	Sky Navy Blue	BAUX-W3D-003-09		Sky Navy Blue	BAUX-WST-004-09		Sky Navy Blue	BAUX-WST-008-09
	Sky Antique Blue	BAUX-W3D-003-10		Sky Antique Blue	BAUX-WST-004-10		Sky Antique Blue	BAUX-WST-008-10
	Sky Day Blue	BAUX-W3D-003-11		Sky Day Blue	BAUX-WST-004-11		Sky Day Blue	BAUX-WST-008-11
	Sky Dusk Blue	BAUX-W3D-003-12		Sky Dusk Blue	BAUX-WST-004-12		Sky Dusk Blue	BAUX-WST-008-12
	Heat Clay Red	BAUX-W3D-003-13		Heat Clay Red	BAUX-WST-004-13		Heat Clay Red	BAUX-WST-008-13
	Heat Rust Red	BAUX-W3D-003-14		Heat Rust Red	BAUX-WST-004-14		Heat Rust Red	BAUX-WST-008-14
	Heat Skin Red	BAUX-W3D-003-15		Heat Skin Red	BAUX-WST-004-15		Heat Skin Red	BAUX-WST-008-15
	Heat Peach Red	BAUX-W3D-003-16		Heat Peach Red	BAUX-WST-004-16		Heat Peach Red	BAUX-WST-008-16
	Earth Soil Brown	BAUX-W3D-003-17		Earth Soil Brown	BAUX-WST-004-17		Earth Soil Brown	BAUX-WST-008-17
	Earth Brown	BAUX-W3D-003-18		Earth Brown	BAUX-WST-004-18		Earth Brown	BAUX-WST-008-18
	Earth Sand Brown	BAUX-W3D-003-19		Earth Sand Brown	BAUX-WST-004-19		Earth Sand Brown	BAUX-WST-008-19
Earth Dust Brown	BAUX-W3D-003-20	Earth Dust Brown	BAUX-WST-004-20	Earth Dust Brown	BAUX-WST-008-20			
Mini Hexagon	Natural	BAUX-WMT-001-00	S Triangle	Natural	BAUX-WST-005-00	S Plank	Natural	BAUX-WPS-001-00
	Clouds Black	BAUX-WMT-001-01		Clouds Black	BAUX-WST-005-01		Clouds Black	BAUX-WPS-001-01
	Clouds Dark Grey	BAUX-WMT-001-02		Clouds Dark Grey	BAUX-WST-005-02		Clouds Dark Grey	BAUX-WPS-001-02
	Clouds Grey	BAUX-WMT-001-03		Clouds Grey	BAUX-WST-005-03		Clouds Grey	BAUX-WPS-001-03
	Clouds White	BAUX-WMT-001-04		Clouds White	BAUX-WST-005-04		Clouds White	BAUX-WPS-001-04
	Woods Pine Green	BAUX-WMT-001-05		Woods Pine Green	BAUX-WST-005-05		Woods Pine Green	BAUX-WPS-001-05
	Woods Moss Green	BAUX-WMT-001-06		Woods Moss Green	BAUX-WST-005-06		Woods Moss Green	BAUX-WPS-001-06
	Woods Bright Green	BAUX-WMT-001-07		Woods Bright Green	BAUX-WST-005-07		Woods Bright Green	BAUX-WPS-001-07
	Woods Pale Green	BAUX-WMT-001-08		Woods Pale Green	BAUX-WST-005-08		Woods Pale Green	BAUX-WPS-001-08
	Sky Navy Blue	BAUX-WMT-001-09		Sky Navy Blue	BAUX-WST-005-09		Sky Navy Blue	BAUX-WPS-001-09
	Sky Antique Blue	BAUX-WMT-001-10		Sky Antique Blue	BAUX-WST-005-10		Sky Antique Blue	BAUX-WPS-001-10
	Sky Day Blue	BAUX-WMT-001-11		Sky Day Blue	BAUX-WST-005-11		Sky Day Blue	BAUX-WPS-001-11
	Sky Dusk Blue	BAUX-WMT-001-12		Sky Dusk Blue	BAUX-WST-005-12		Sky Dusk Blue	BAUX-WPS-001-12
	Heat Clay Red	BAUX-WMT-001-13		Heat Clay Red	BAUX-WST-005-13		Heat Clay Red	BAUX-WPS-001-13
	Heat Rust Red	BAUX-WMT-001-14		Heat Rust Red	BAUX-WST-005-14		Heat Rust Red	BAUX-WPS-001-14
	Heat Skin Red	BAUX-WMT-001-15		Heat Skin Red	BAUX-WST-005-15		Heat Skin Red	BAUX-WPS-001-15
	Heat Peach Red	BAUX-WMT-001-16		Heat Peach Red	BAUX-WST-005-16		Heat Peach Red	BAUX-WPS-001-16
	Earth Soil Brown	BAUX-WMT-001-17		Earth Soil Brown	BAUX-WST-005-17		Earth Soil Brown	BAUX-WPS-001-17
	Earth Brown	BAUX-WMT-001-18		Earth Brown	BAUX-WST-005-18		Earth Brown	BAUX-WPS-001-18
	Earth Sand Brown	BAUX-WMT-001-19		Earth Sand Brown	BAUX-WST-005-19		Earth Sand Brown	BAUX-WPS-001-19
Earth Dust Brown	BAUX-WMT-001-20	Earth Dust Brown	BAUX-WST-005-20	Earth Dust Brown	BAUX-WPS-001-20			

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COLOUR SCHEME

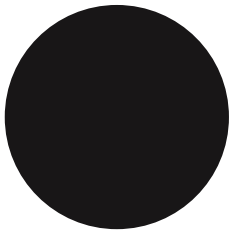
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WOODS

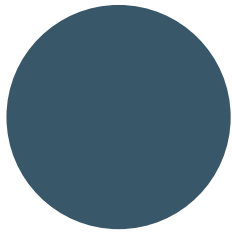
SKY IN THE SEA

HEAT OF THE SUN

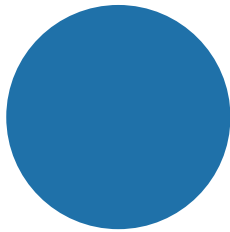
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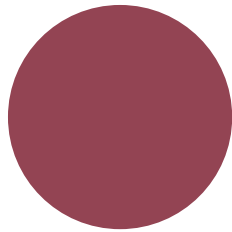
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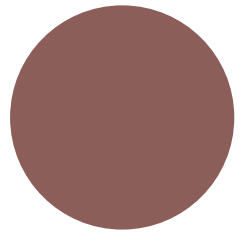
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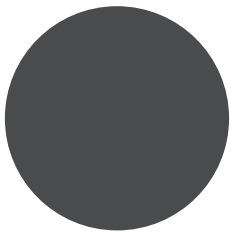
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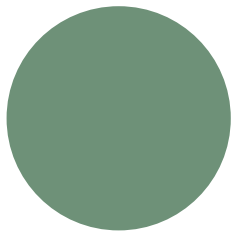
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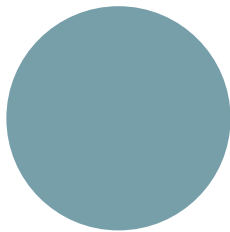
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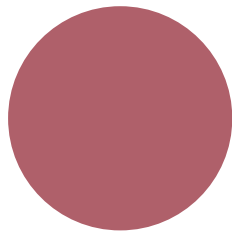
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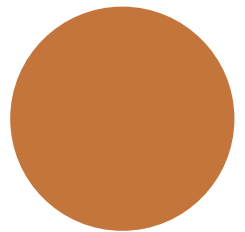
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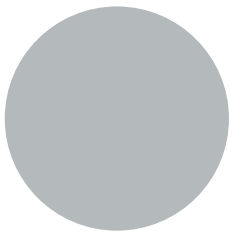
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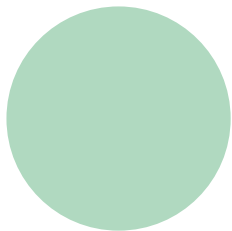
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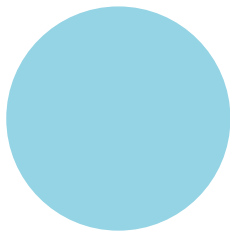
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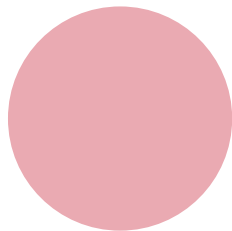
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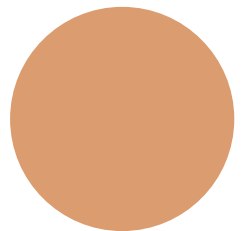
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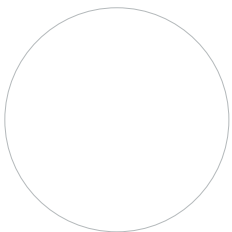
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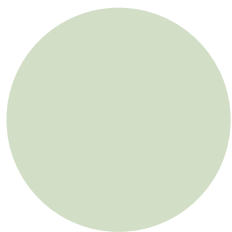
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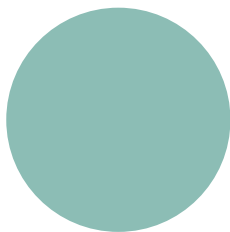
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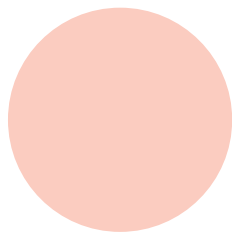
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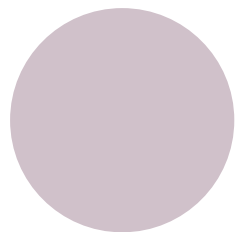
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