

Sandwich Panels

PRODUCT SELECTOR



PRODUCT CHARACTERISTICS OF PAROC SANDWICH PANELS

INSULATION CORE: PAROC structural stone wool

EXTERNAL FACING: Steel sheet, standard thickness 0.5 mm and 0.6 mm, also 0.7 mm available.
Standard coating: , Spectrum®, PVDF, Polyester SP25

INTERNAL FACING: Steel sheet, standard thickness 0.5 mm, also 0.6 and 0.7 mm available. Standard coating: Polyester SP25, Foodsafe, stainless steel (304, 316L)

WIDTH: modular width 1200 mm, cover width 1196 mm

MAXIMUM LENGTH: 12 100 mm

SOUND INSULATION R_w: 26 – 34 dB

Please visit our website for more details about Architectural Systems and Fabrications.

NEW! AST® LEC - Lower Embodied Carbon product range available.



EXTERNAL & INTERNAL WALL PANELS			Nominal Thickness [mm]	U-Value (W/m²K) ¹⁾	Fire Resistance, max ²⁾ (Horizontal / Vertical)	Weight (kg/m²) ³⁾	GWP A1-A3 [kg CO ₂ -eqv/m²]	
							AST® LEC	AST®
Stone Wool Core	AST® L LEC / AST® L Wall Panel	External profiles: Line 150, Line 200, Line 600³⁾, Micro, Smooth³⁾, Micro+Line 200, Micro+Line 600 Modular width: 1200 mm Internal profiles: Line 150, Line 200, Line 600³⁾, Smooth, Acoustic, Reface⁴⁾	80	0.45	EI 20 / EI 15	15	12.5	28.1
			100	0.37	EI 45 / EI 60	17	13.2	28.4
			120	0.30	EI 90 / EI 90	18	14.4	29.0
			150	0.24	EI 120/180	21	15.2	29.9
			175	0.21		22	16	30.5
			200	0.18		24	16.6	31.4
			240	0.15		27	17.6	32.3
			300	0.12		31	19.3	34.1
	AST® S LEC / AST® S Wall Panel		80	0.48	EI 20 / EI 45	17	12.8	28.5
			100	0.38	EI 60/ EI 60	19	13.8	29.1
			120	0.32	EI 180/ EI 180	21	14.4	30.1
			150	0.26	EI 180 / EI 120	23	16.2	31.0
			175	0.22	EI 180/ EI 180	25	17.0	31.9
			200	0.19	EI 180/ EI 240	28	18.0	32.9
			240	0.16		32	19.3	34.1
			300	0.13		37	21.4	36.3
	AST® S+ LEC /AST® S+ Wall Panel		100	0.38	- / EI 120	21	13.8	29.1
			120	0.32		24	14.4	30.1
	AST® F LEC / AST® F Wall Panel		80	0.53	- / EI 90	19	14.9	29.6
			100	0.43	EI 45 / EI 120	21	15.8	30.6
			120	0.36	EI 180 / EI 120	24	16.7	31.6
			150	0.29	EI 240 / EI 180	27	18.2	32.9
			175	0.25	EI 240 / EI 240	30	19.5	34.2
			200	0.22		33	20.6	35.2
			240	0.18		38	22.6	37.2
			300	0.14		45	25.3	40.1
	AST® F+ LEC / AST® F+ Wall Panel		100	0.43	EI 120 / EI 120	21	15.8	30.6
			120	0.36		24	16.7	31.6
	AST® E LEC / AST® E Wall Panel		50	0.77	- / EI 30	16	13.5	28.0
			80	0.53	EI 20 / EI 45	19	14.9	29.6
			100	0.43	EI 60 / EI 60	22	15.8	30.6
			120	0.36	EI 180 / EI 180	24	16.7	31.6
			150	0.29	EI 180 / EI 120	28	18.2	32.9
			175	0.25	EI 180 / EI 180	31	19.5	34.2
			200	0.22	EI 180 / EI 240	34	20.6	35.2
			240	0.18		39	22.6	37.2
			300	0.14		47	25.3	40.1

SHADOW WALL PANELS			Nominal Thickness [mm]	U-Value (W/m²K) ¹⁾	Fire Resistance, max ²⁾ (Horizontal / Vertical)	Weight (kg/m²) ³⁾	GWP A1-A3 [kg CO ₂ -eqv/m²]	
							AST® LEC	AST®
Stone Wool Core	AST® L LEC / AST® L AST® S LEC / AST® S AST® F LEC / AST® F AST® E LEC / AST® E	External profiles: Smooth³⁾, Micro Modular width: 1200 mm Internal profiles: Line 150, Line 200, Line 600³⁾, Smooth, Reface	80		NPD	15/17/19/19	The GWP values for AST® SHADOW panels are the same as those for the corresponding AST® wall panels.	
			100			17/19/21/22		
			120			18/21/24/24		
			150			21/23/27/28		
			175			22/25/30/31		
			200			24/28/33/34		
			240			27/32/38/39		
			300			31/37/45/47		

CEILING PANELS			Nominal Thickness [mm]	U-Value (W/m²K) ¹⁾	Fire Resistance, max ²⁾ (Horizontal / Vertical)	Weight (kg/m²) ³⁾	GWP A1-A3 [kg CO ₂ -eqv/m²]	
							AST® LEC	AST®
Stone Wool Core	AST® E / AST® E LEC Ceiling Panel	External profiles: Line 150, Line 200, Line 600³⁾, Micro, Smooth³⁾, Micro + Line 200, Micro+Line 600³⁾ Modular width: 1200 mm Internal profiles: Line 150, Line 200, Line 600³⁾, Smooth, Acoustic	50	0.77	NPD	16	13.5	28.0
			80	0.53		19	14.9	29.6
			100	0.43	EI 60	22	15.8	30.6
			120	0.36	EI 180	24	16.7	31.6
			150	0.29		28	18.2	32.9
			175	0.25		31	19.5	34.2
			200	0.22		34	20.6	35.2
			240	0.18		39	22.6	37.2
			300	0.14		47	25.3	40.1
				AST® S LEC / AST® S Ceiling Panel	120	0.32	EI 60	21

NPD = No performance determined (not tested),
– = Not available

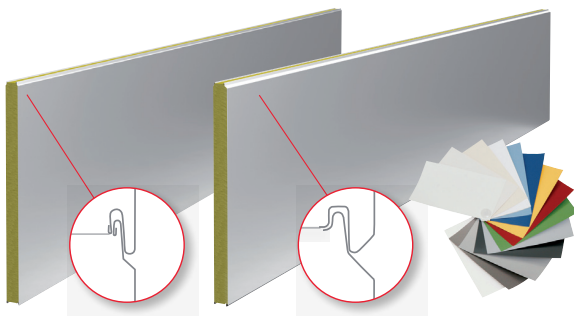
- 1) U-values including surface resistance R_{si}+R_{se}=0,17 m²K/W and the influence of joints.
- 2) Maximum fire resistance. AST panels are classified in Euroclass A2-s1, exceptions are Paroc Print panels classified in C-s1, d0 and Paroc Acoustic panels that are B-s1, d0 rated. Detailed information about the application (whether for an external or internal wall), design details, and spans can be found in our Technical Guide or by contacting our Technical Support.
- 3) Panels with standard facings.
- 4) For AST®L, AST®S, AST®E (steel thickness min. 0.6 mm). For further information please contact Paroc Panel System / Technical Support.
- 5) Steel thickness min. 0.6 mm
- 6) FM Approved product specifications are available in the FM Approval Guide on www.fmapprovals.com and from Paroc Panel System Technical Support.
- 7) EI-M classification available – fire wall up to EI120-M



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WALL & CEILING PANELS

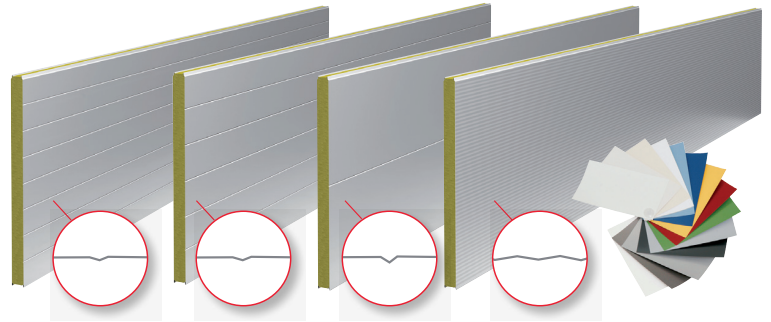
Smooth



Smooth

Shadow

Line / Micro



Line 150

Line 200

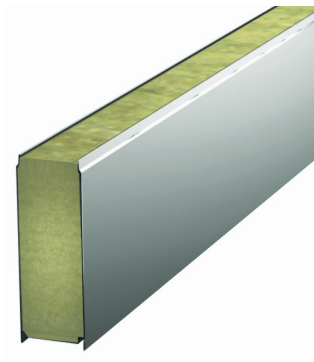
Line 600

Micro

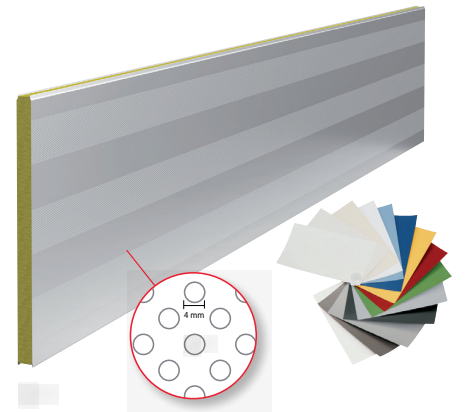
Architectural DELIGN



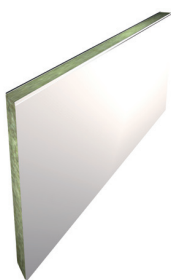
Flex



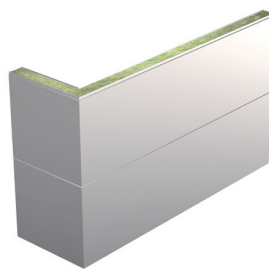
Acoustic



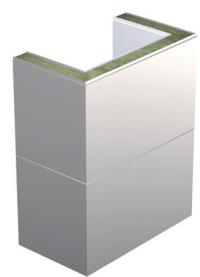
SHAPED MODULES



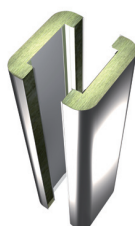
Bevelled Panels



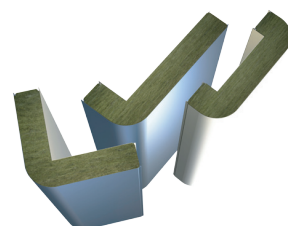
Corner Panels



U - Corner Panels



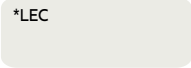
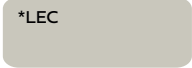
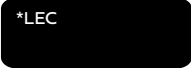
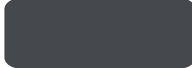
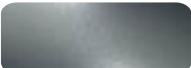
Rounded U-Corner Panels



Rounded Corner Panels

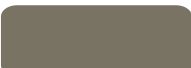
COLOURS & COATINGS

STANDARD COLOURS

 White R9010 Spectrum® 0.6 Polyester SP25 0.5/0.6/0.7	 Howlite Grey R9002 Spectrum® 0.6 Polyester SP25 0.5/0.6	 Silver R9006 Spectrum® 0.6 Polyester SP25 0.5	 Dark Silver R9007 Spectrum® 0.6	 Graphite Grey R7024 Spectrum® 0.6
 Jet Black R9005 Spectrum® 0.6	 Howlite White 0020 Spectrum® 0.6 Polyester SP25 0.5/0.6/0.7	 Agate Grey 0021 Spectrum® 0.6	 Moonstone R7035 Spectrum® 0.6	 Hematite Silver 0045 Spectrum® 0.6
 Onyx R7016 Spectrum® 0.6	 Goldstone Red 0029 Spectrum® 0.6	 Silver Matt R9006 Matt PVDF 0.6	 Dark Silver Matt R9007 Matt PVDF 0.6	 Bright White R9003 Foodsafe 0.5/0.6
 Zinc Galvanised (uncoated) 0.6	 Stainless Steel 304 0.6	 Stainless Steel 316L 0.6		

* LEC = Lower Embodied Carbon steel that allows lower GWP of Paroc AST® panels by up to 55% (modules A1-A3).

SPECIAL COLOURS

 Angelite Blue 0034 Spectrum® 0.6	 Pure White 0106 Spectrum® 0.6	 Citrine Yellow 1015 Spectrum® 0.6	 Pebble Beige 0030 Spectrum® 0.6	 Jade Green 6011 Spectrum® 0.6
 Fluorite Green 0036 Spectrum® 0.6	 Calcite Yellow 0024 Spectrum® 0.6	 Amber Yellow 0026 Spectrum® 0.6	 Malachite Green 0037 Spectrum® 0.6	 Quartz Green 0011 Spectrum® 0.6
 Tile Red 0750 Spectrum® 0.6	 Metallic Copper 00979 Spectrum® 0.6	 Monazite Brown 0031 Spectrum® 0.6	 Pebble Grey 0022 Spectrum® 0.6	 Garnet Brown 0032 Spectrum® 0.6
 Metallic Gold 0042 Spectrum® 0.6	 Agate Blue 0035 Spectrum® 0.6	 Agate Grey 0021 Polyester SP25 0.5/0.6	 Dark Silver R9007 Polyester SP25 0.6	

The information provided in this brochure is accurate as of its date of publication and represents our commitment to quality and transparency. However, Paroc Panel System reserves the right to modify product specifications without prior notice to reflect advancements or improvements. For applications not explicitly covered within this brochure, consultation with our Technical Advisory Service is strongly advised to ensure the product meets your specific requirements. Users are responsible for verifying the product's suitability for their particular needs and for ensuring compliance with all applicable laws and regulations. For the most up-to-date and comprehensive product details, always refer to the latest version of this brochure by scanning the QR code above. We reserve the right to update this datasheet, and any other informational materials, at our discretion and without notice. For the latest information, please visit: www.parocpanels.com



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