

Sandwich Panels

PRODUCT SELECTOR



PRODUCT CHARACTERISTICS OF PAROC SANDWICH PANELS

INSULATION CORE: PAROC structural stone wool

EXTERNAL FACING: Steel sheet, standard thickness 23 ga and 24 ga, 22 ga also available.
Standard coating: Spectrum® , PVDF, Polyester SP25.

INTERNAL FACING: Steel sheet, standard thickness 23 ga and 24 ga, 22 ga also available. Standard coating: Polyester SP25, Foodsafe, stainless steel (304, 316L)

WIDTH: modular width 3'-11 1/4", cover width 3'-11 1/16"

MAXIMUM LENGTH: 39' 4 1/2"

SOUND INSULATION R_w : 25...33 dB

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



EXTERNAL & INTERNAL WALL PANELS			Actual thickness (Inch)	Nominal Thickness (Inch)	U-value	R-value	Fire Resistance, max ² (Horizontal / Vertical)	Weight (lb / sf)
Stone Wool Core	AST® L / AST® L LEC Wall Panel		3 1/8"	3"	0.45	12.6	0.25 hr / 0.25 hr	3.07
			3 15/16"	4"	0.37	15.3	0.75 hr / 1 hr	3.48
			4 3/4"	4.75"	0.30	18.9	1.5 hr / 1.5 hr	3.69
			5 7/8"	6"	0.24	23.7	2 hr / 3 hr	4.30
			6 7/8"	7"	0.21	27.0		4.51
			7 7/8"	8"	0.18	31.5		4.92
			9 7/16"	9.5"	0.15	37.8		5.53
	11 13/16"		12"	0.12	47.3	6.35		
	AST® S / AST® S LEC Wall Panel		3 1/8"	3"	0.48	11.8	0.25 hr / 0.50 hr	3.48
			3 15/16"	4"	0.38	14.9	1 hr / 0.5 hr	3.89
			4 3/4"	4.75"	0.32	17.7	3 hr / 1.5 hr	4.30
			5 7/8"	6"	0.26	21.8	3 hr / 2 hr	4.71
			6 7/8"	7"	0.22	25.8	3 hr / 3 hr	5.12
			7 7/8"	8"	0.19	29.9	3 hr / 4 hr	5.73
			9 7/16"	9.5"	0.16	35.5		6.55
	11 13/16"		12"	0.13	43.7	7.58		
	AST® S+ / AST® S+ LEC Wall Panel		3 1/8"	3"	0.38	14.9	- / 2 hr	3.89
			3 15/16"	4"	0.32	17.7		4.30
	AST® F / AST® F LEC Wall Panel		3 1/8"	3"	0.53	10.7	- / 1.5 hr	3.89
			3 15/16"	4"	0.43	13.2	0.5 hr / 2 hr	4.30
			4 3/4"	4.75"	0.36	15.8	3 hr / 2 hr	4.92
			5 7/8"	6"	0.29	19.6	4 hr / 3 hr	5.53
			6 7/8"	7"	0.25	22.7	4 hr / 4 hr	6.14
			7 7/8"	8"	0.22	25.8		6.76
9 7/16"		9.5"	0.18	31.5	7.78			
11 13/16"	12"	0.14	40.5	9.22				
AST® F+ / AST® F+ LEC Wall Panel	3 1/8"	3"	0.46	13.21	2 hr / 2 hr	4.30		
	3 15/16"	4.75"	0.36	15.77		4.92		
AST® E / AST® E LEC Wall Panel	1 15/16"	2"	0.77	7.37	0.25 / 0.5 hr	3.28		
	3 1/8"	3"	0.53	10.71	0.25 hr / 0.5 hr	3.89		
	3 15/16"	4"	0.43	13.21	1 hr / 1 hr	4.51		
	4 3/4"	4.75"	0.36	15.77	3 hr / 1.5 hr	4.92		
	5 7/8"	6"	0.29	19.58	3 hr / 2 hr	5.73		
	6 7/8"	7"	0.25	22.71	3 hr / 3 hr	6.35		
	7 7/8"	8"	0.22	25.81	3 hr / 4 hr	6.96		
	9 7/16"	9.5"	0.18	31.55		7.99		
	11 13/16"	12"	0.14	40.56		9.63		

SHADOW WALL PANELS			Actual thickness (Inch)	Nominal Thickness (Inch)	R-value		Fire Resistance, max (Horizontal / Vertical)	Weight (lb / sf)							
Stone Wool Core	AST® L Shadow AST® S Shadow AST® F Shadow AST® E Shadow		3 1/8"	3"		NPD	3.07 / 3.48 / 3.89 / 3.89								
			3 15/16"	4"				2 hr / -(AST® L)	3.48 / 3.89 / 4.30 / 4.51						
			4 3/4"	4.75"						3.69 / 4.30 / 4.92 / 4.92					
			5 7/8"	6"							4.30 / 4.71 / 5.53 / 5.73				
			6 7/8"	7"								4.51 / 5.12 / 6.14 / 6.35			
			7 7/8"	8"									4.92 / 5.73 / 6.76 / 6.96		
			9 7/16"	9.5"										5.53 / 6.55 / 7.78 / 7.99	
			11 13/16"	12"											6.35 / 7.58 / 9.22 / 9.63

CEILINGS			Actual thickness (Inch)	Nominal Thickness (Inch)	U-value	R-value	Fire Resistance, max (Horizontal / Vertical)	Weight (lb / sf)		
Stone Wool Core	AST® E / AST® E LEC Ceiling Panel		1 15/16"	2"	0.77	7.37	NPD	3.28		
			3 1/8"	3"	0.53	10.71	3 hr	3.89		
			3 15/16"	4"	0.43	13.21		4.51		
			4 3/4"	4.75"	0.36	15.77		4.92		
			5 7/8"	6"	0.29	19.58		5.73		
			6 7/8"	7"	0.25	22.71		6.35		
			7 7/8"	8"	0.22	25.81		6.96		
			9 7/16"	9.5"	0.18	31.55		7.99		
			11 13/16"	12"	0.14	40.56		9.63		
			AST® S / AST® S LEC Ceiling Panel	4 3/4"	4.75"	0.32		17.7	1 hr	4.30

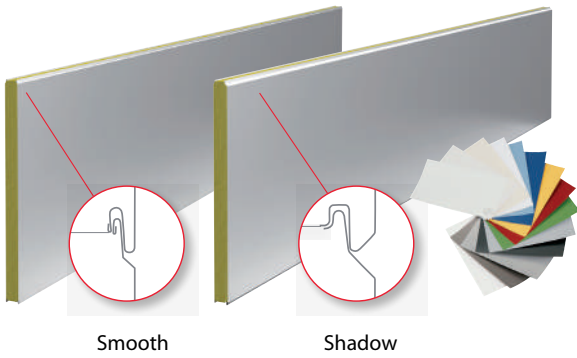
NPD = No performance determined (not tested),
- = Not available

- 1) R-values including surface resistance and the influence of joints.
- 2) Max. fire resistance tested according EN 13501-2. 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. Please contact Paroc Panel System/ Technical Support for more information regarding design details and spans.
- 3) Panels with standard facings.
- 4) For AST®L, AST®S, AST®E (steel thickness min. 23 ga.). For further information please contact Paroc Panel System / Technical Support.
- 5) Steel thickness min. 23 ga.
- 6) FM Approved product specifications are available in the FM Approval Guide on www.fmaprovals.com and from Paroc Panel System Technical Support.
- 7) EI-M classification available - fire wall up to EI120-M

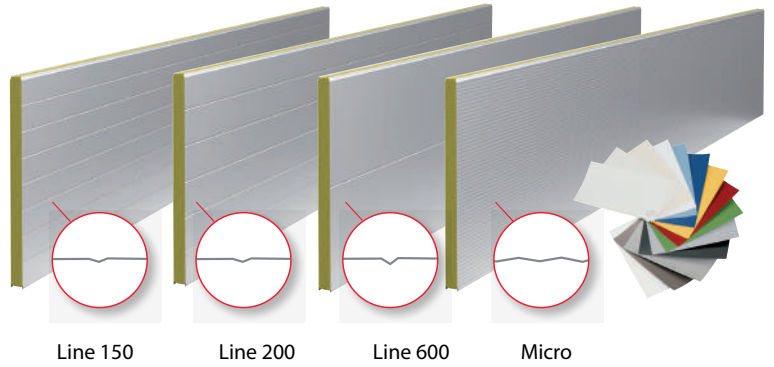


WALL & CEILING PANELS

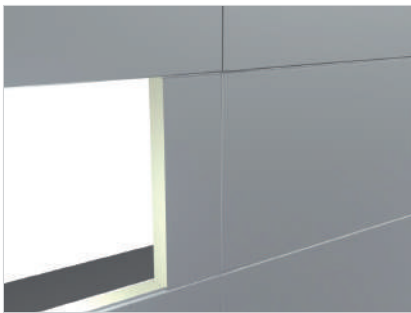
Smooth



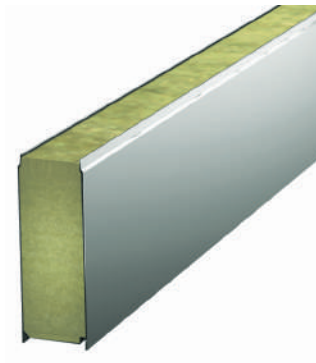
Line / Micro



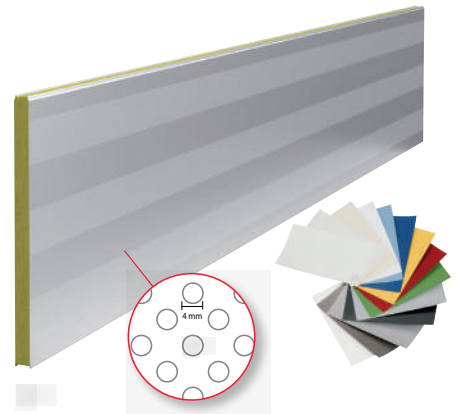
Architectural DELIGN



Flex



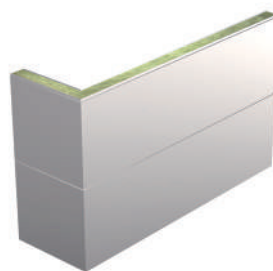
Acoustic



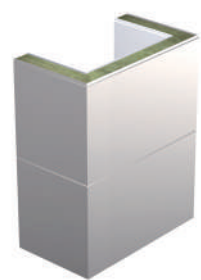
SHAPED MODULES



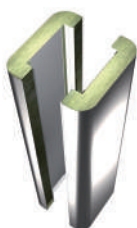
Bevelled Panels



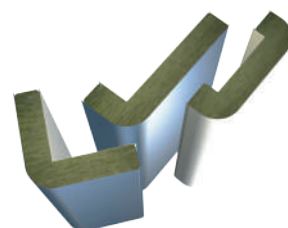
Corner Panels



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



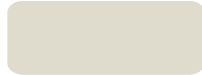
Dark Silver R9007
Spectrum® 0.6



Graphite Grey Matt R7024M
Spectrum® 0.6



Jet Black Matt R9005M
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



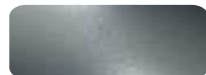
Silver Matt R9006
Matt PVDF 0.6



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



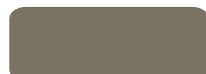
Monazite Brown 0031
Spectrum® 0.6



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



**Paroc
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