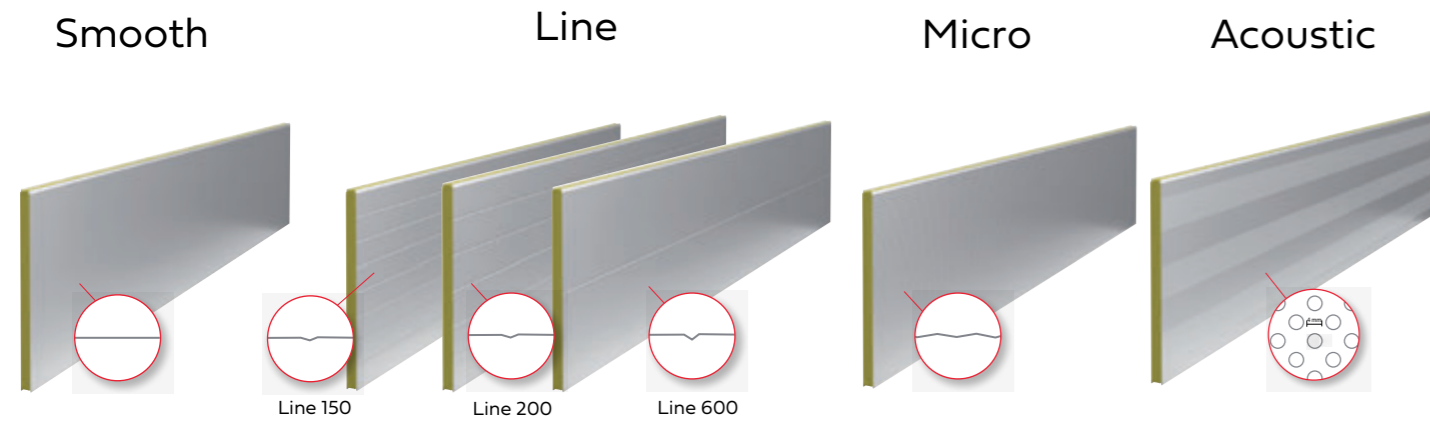
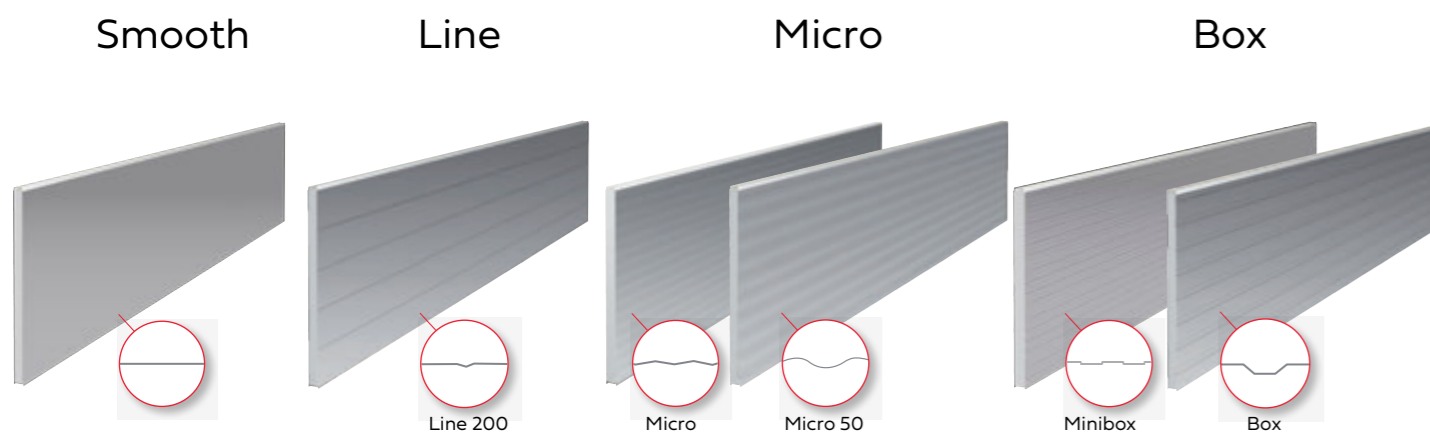


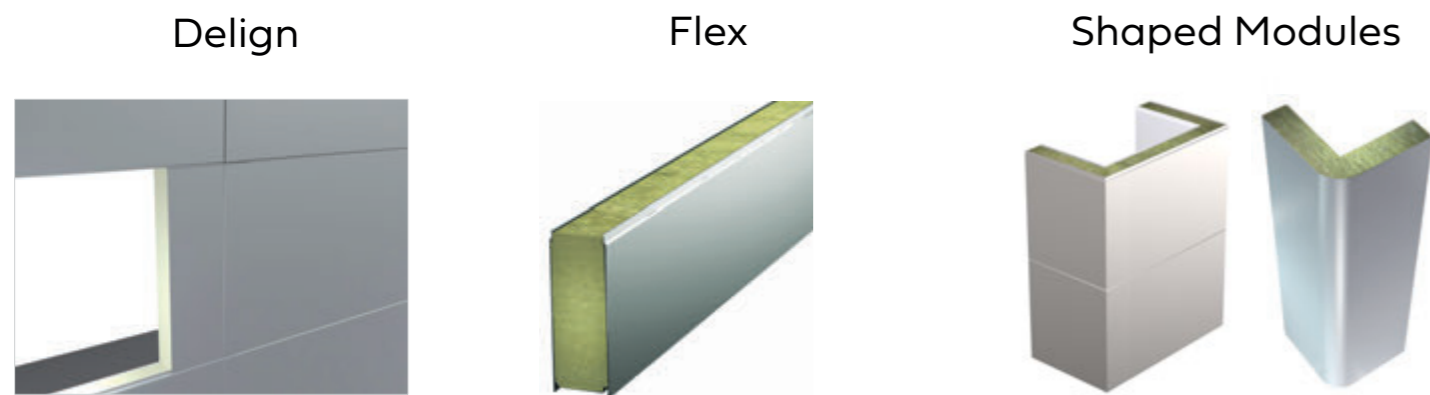
PROFILES FOR PANELS WITH AST® Technology



PROFILES FOR PANELS WITH QuadCore® Technology



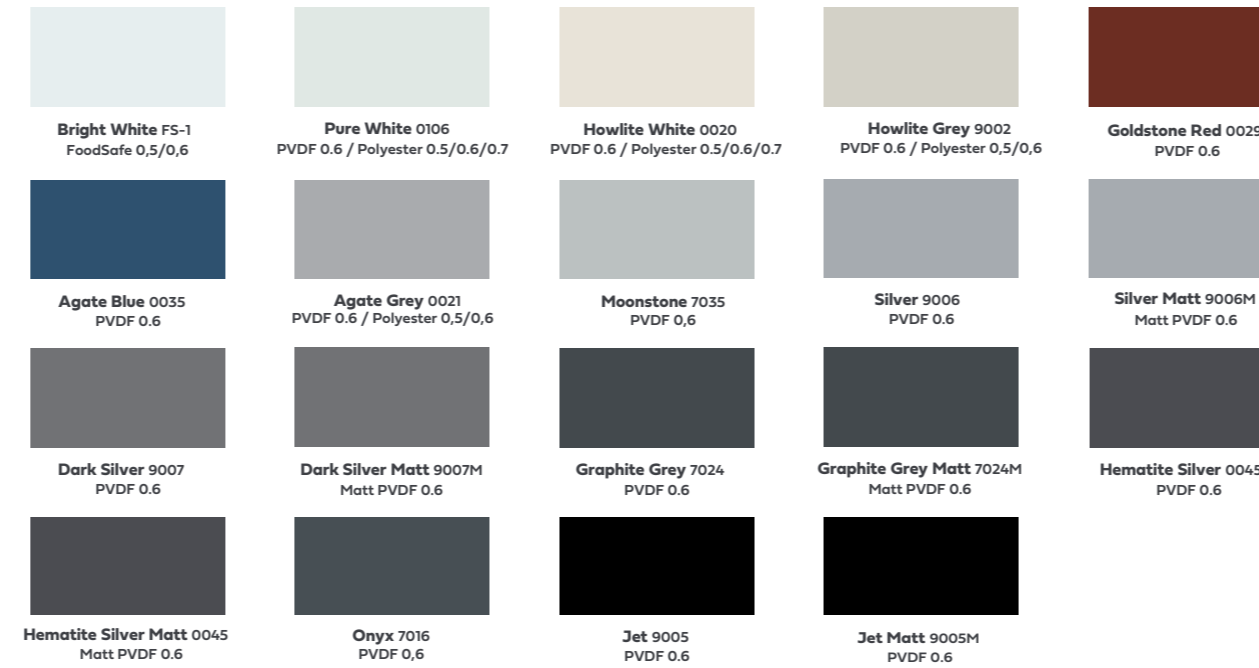
ARCHITECTURAL SYSTEMS AND FABRICATIONS



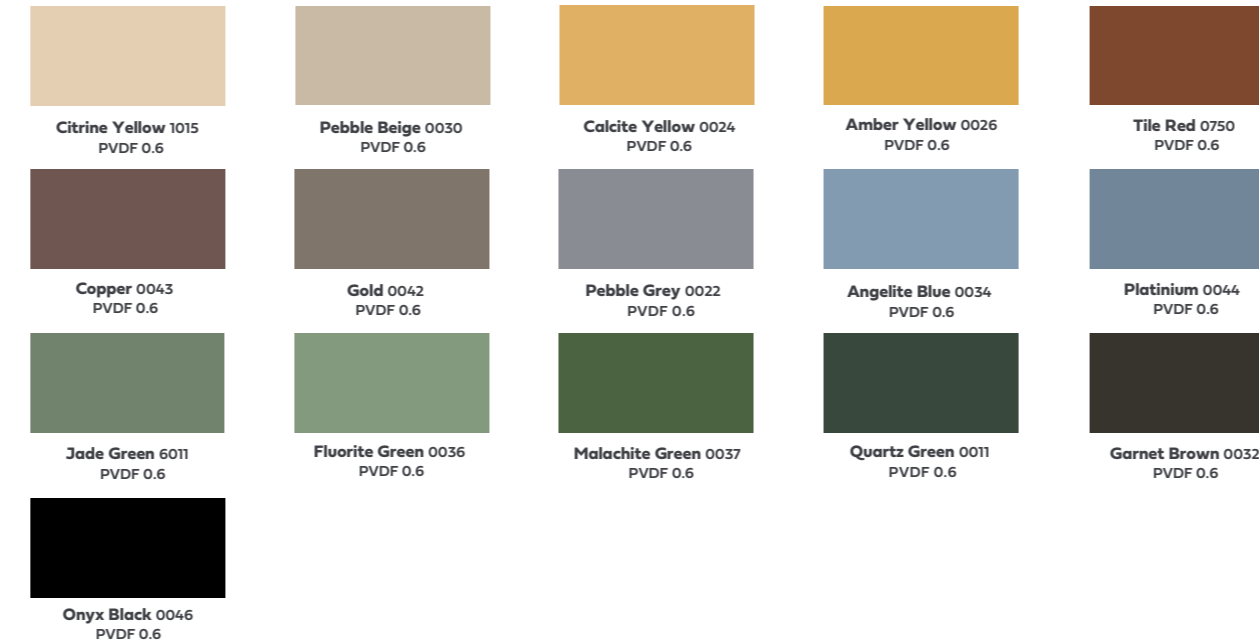
Please visit our website for more details about Architectural Systems and Fabrications.

COLOURS Inspired by Nature FOR PAROC PANEL SYSTEM

STANDARD COLOURS



SPECIAL COLOURS



PANEL PROPERTIES

INSULATION CORE: QuadCore® or PAROC structural stone wool

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

INTERNAL FACING: Steel sheet, standard thickness 0.5 mm, also 0.6 and 0.7 mm available. Standard coating: Polyester, also FoodSafe and Stainless Steel available

WIDTH: AST® panels - modular width 1200 mm, cover width 1196 mm/QuadCore® panels - modular width 1200 mm or 1000 mm (hidden fix) and optionally in 1196 mm cover width for use in combination with AST® panels

MAXIMUM LENGTH: AST® panels - 12 m, QuadCore® panels 15 m

SOUND INSULATION R_w : 25...32 dB

The information in this brochure describes the conditions and technical properties of the disclosed products, valid at the time of publication of this document and until replaced by the next printed or digital version. The latest version of this brochure is always available on the Paroc Panel System's website. Our information material presents applications for which the functions and technical properties of our products have been approved. However, the information does not mean a commercial guarantee. We do not assume liability of the use of third party components used in the application or the installation of our products. We cannot warrant the suitability of our products if used in an area or conditions which are not provided in our information material. As a result of constant further development of our products we reserve the right to make alterations to our information material at any time. Paroc Panel System is a member of Kingspan Group.

October 2020

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Panel Solutions

October 2020

PRODUCT SELECTOR



Wall & Façade Systems

with QuadCore[®] insulation core **NEW!**

POWERED BY
QuadCore[™]
TECHNOLOGY

EXTERNAL & INTERNAL WALL PANELS		Nominal thickness	U-value (W/m ² ·K) ¹⁾	Fire resistance, max ²⁾ (horizontal/vertical)	Weight (kg/m ²) ³⁾
QuadCore[®] R • Through Fix		80	0,23	EI 15	11,69
		100	0,18		12,49
		120	0,15	EI 30	13,29
		150	0,12		14,49
		170	0,11	15,29	
		200	0,09	EI 60	16,49
COLDSTORE PANELS		Nominal thickness	U-value (W/m ² ·K) ¹⁾	Fire resistance, max ²⁾ (horizontal/vertical)	Weight (kg/m ²) ³⁾
QuadCore[®] C • Coldstore		80	0,23	EI 15	11,69
		100	0,18		12,49
		120	0,15	EI 30	13,29
		150	0,12		14,49
		170	0,11	15,29	
		200	0,09	EI 30 / EI 60	16,49
FAÇADE PANELS		Nominal thickness	U-value (W/m ² ·K) ¹⁾	Fire resistance, max ²⁾ (horizontal/vertical)	Weight (kg/m ²) ³⁾
QuadCore[®] M • Hidden Fix		100	0,18	EI 15	12,77
		150	0,12		14,77

Wall & Façade Systems

with AST[®] stone wool insulation core

POWERED BY
AST[™]
TECHNOLOGY

EXTERNAL & INTERNAL WALL PANELS		Nominal thickness	U-value (W/m ² ·K) ¹⁾	Fire resistance, max ²⁾ (horizontal/vertical)	Weight (kg/m ²) ³⁾		
AST[®] L		80	0,45	NPD	15		
		100	0,37		17		
		120	0,30		18		
		AST[®] S	150	0,24	EI 120/180	21	
			175	0,21		22	
			200	0,18		24	
			240	0,15		27	
AST[®] S+			300	0,12	31		
			80	0,48	EI 30/ EI 30	17	
			100	0,38	EI 60/ EI 60	19	
		120	0,32	EI 90/ EI 90	21		
		150	0,26	EI 180/ EI 180	23		
AST[®] F		175	0,22	25			
		200	0,19	EI 240/ EI 240	28		
		240	0,16		32		
		300	0,13	37			
		AST[®] F+	100	0,38	EI 120 / EI 120	19	
			120	0,32	21		
		AST[®] E	80	0,53	EI 45 / EI 90	19	
100			0,43	EI 45 / EI 120	21		
120			0,36		24		
150	0,29		EI 240 / EI 240	27			
175	0,25			30			
200	0,22			33			
240	0,18			38			
SHADOW FAÇADE PANELS		300	0,14	45			
		100	0,43	EI 120 / EI 120	21		
		120	0,36	24			
		50	0,77	EI 45 / EI 45	16		
		80	0,53	EI 45 / EI 90	19		
		100	0,43	EI 45 / EI 120	22		
		120	0,36		24		
CEILINGS		150	0,29	EI 240 / EI 240	28		
		175	0,25		31		
		200	0,22		34		
		240	0,18		39		
		AST[®] L		80	0,43	EI 180/ -	28
				100	0,36		31
				120	0,30		34
AST[®] S		150	0,22	EI 180/ -	34		
		175	0,19		37		
		200	0,16		40		
AST[®] F		240	0,12	EI 180/ -	47		
		270	0,09		50		
		300	0,07		53		
AST[®] E		300	0,14	EI 180/ -	50		
		330	0,11		53		
		360	0,09		56		

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. In terms of reaction to fire, AST panels are classified in Euroclass A2-s1, d0 and QuadCore panel B-s1,d0. Exceptions are Paroc Print panels classified in C-s1,d0 and acoustic panels that are not fire rated. For more information regarding details and spans contact Paroc Panel System/ Technical Support.

3) Panels with standard facings.

4) Steel thickness for Smooth profile min. 0,6 mm for AST panels. Please contact Paroc Panel System for Smooth profile on QuadCore panels.