

Material properties Trespa Athlon			
Properties	Value	Unit	Standard
Physical properties			
Specific gravity	≥ 1.350	kg/m ³	ISO 1183
Water absorption	≤ 1,0	% weight	EN 438
Dimensional stability	≤ 2,5	mm/m	EN 438
Weight	Thickness 6 mm	8,5	kg/m ²
	Thickness 13 mm	18,5	kg/m ²
	Thickness 16 mm	22,5	kg/m ²
	Thickness 20 mm	28,0	kg/m ²
Panel tolerance			
Length & Width	Length & Width	-0,0/+5	mm
	Thickness	± 0,4 for 6	mm
		± 0,5 for 8,10	mm
		± 0,6 for 13	mm
		± 0,7 for 16	mm
± 0,8 for 20,25	mm		
Optical properties			
Changes when subjected to dry heat (maximum temperature of 180°C)			EN 438
gloss	5 (= no changes)		
colour	5 (= no changes)		
cracking	5 (= no changes)		
Mechanical properties			
Modulus of elasticity	≥ 9.000	N/mm ²	ISO 178
Tensile strength	≥ 70	N/mm ²	ISO 527-2
Flexural strength	≥ 100	N/mm ²	ISO 178
Resistance to impact	≤ 6	mm	EN 438
by large diameter balls			
Scratch resistance	≥ 3	Rating	EN 438
Wear resistance			
Initial point	≥ 150	Revolutions	EN 438
Wear value	≥ 350		
Chemical properties			
See datasheet chemical properties			
Fire behaviour			
Great Britain	Type FR: class 0		BS 476 Part 6
Fire classification	Type FR: class 1		BS 476 Part 7
	Type Standard: class 2		BS 476 Part 7
Germany	Typ FR: Klasse B1		DIN 4102-1
Baustoffklasse	Typ Standard: Klasse B2		DIN 4102-1
France 6-8-10-13-16-20 mm	Type FR: Classement M1		NF P 92-501
	Type Standard: Classement M2		NF P 92-501
Belgium	Type FR: Klasse A1		NBN S21-203
Europe	Type FR: Euroclass B-s2,d0		EN 13501-1
	Type Standard: Euroclass D-s2,d0		EN 13501-1

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Delivery programme Trespa Athlon	
Colours / decorative effects:	
Nature ¹	S
Construction	S
Flash	S
Fresco	S
Polar	S
Type:	
Coloured on both sides	S
Surface structure²:	
Q = Quartz	S
C = Crystal Matt	S
Qualities:	
Standard / black core	S
Fire Retardant (FR) / black core ³	S
Panel sizes (in mm)⁴:	
3050 x 1530	S
2550 x 1860	S
3730 x 1860	S
Sizes corner profiles (in mm):	
3050 x 300 x 300, radius 20	S
1860 x 300 x 300, radius 20	S
Panel thicknesses (in mm):	
	Q C
6	S S
8	S
10	S
13	S S
16	S
20	S
Corner profile thicknesses (in mm)*:	
8	S
10	S
13	S
S = Standard delivery	

Non-standard sizes, thicknesses and colours available on request.

Delivery times depend on colour choice.

¹ The wood grain is in the length of the panel.

² Q = Quartz is a surface structure with a fluid irregular texture, recommended for vertical applications.

C = Crystal Matt is a very fine surface structure with a matt sheen, recommended for horizontal applications.

³ Minimum order quantity 1 complete pallet of the same size and thickness.

⁴ The number of colours available can be different for different sizes. See delivery program.

* Corner profile only available with colours on both sides, with Quartz structure.