

# Material properties Trespa Meteon

Properties	Value	Unit	Standard
<b>Physical properties</b>			
Specific gravity	ca. 1.400	kg/m <sup>3</sup>	ISO 1183
Dimensional stability	≤ 2,5	mm/m	--
Water absorption	≤ 1,0	% weight	EN 438
<b>Optical properties</b>			
Colour stability *	4-5 (3000 hrs; Xenon test)	Grey Scale	ISO 105 A02-93
<b>Mechanical properties</b>			
Modulus of elasticity	≥ 8.000	N/mm <sup>2</sup>	ISO 178
Tensile strength	≥ 90	N/mm <sup>2</sup>	ISO 527-2
Flexural strength	≥ 110	N/mm <sup>2</sup>	ISO 178
Surface impact resistance	≥ 40	N	EN 438
Scratch resistance	≥ 3,5	N	EN 438
<b>Thermal properties</b>			
Thermal conductivity	ca. 0,3	W/mK	DIN 52612
<b>Chemical properties</b>			
SO <sub>2</sub> -resistance	4-5 (50 cycles; approx. 0.0067%)	Grey Scale	DIN 50018
<b>Fire behaviour</b>			
<b>Great Britain</b> Fire classification	Type FR: Class 0 Type Standard: Class 2/3		BS 476 Parts 6-7 Building regulations
<b>Netherlands</b> Brandklasse	Type FR: Klasse 1 Type Standaard: Klasse 2		NEN 6065 NEN 6065
<b>Germany</b> Baustoffklasse	Typ FR: Klasse B1 Typ Standard: Klasse B2		DIN 4102 DIN 4102
<b>France</b> Réaction au feu Indice de fumée Toxicité des gaz de combustion	Type FR: Classement M1 Type Standard: Classement M3 Type FR: Classement F1 Type Standard: Classement F1		NF P 92-507-UNE 23727 NF P 92-507-UNE 23727 NF X 10-702 NF X 70-100
<b>Belgium</b>	Type FR: Klasse A1		S21-2003

\* NA 01 colour stability 3-4

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