

MATERIAL PROPERTIES TRESPA METEON

Properties	Value	Unit	Standard
Physical properties			
Specific gravity	≥ 1.350	kg/m ³	ISO 1183
Dimensional stability	≤ 2,5	mm/m	EN 438
Resistance to wet conditions in water of 65°C after 48 hours			EN 438
> Mass increase	≤ 3	%	
> Appearance	≥ 4	Rating	
Optical properties			
Colour stability	4-5 (3000 hrs; Xenon test)	Grey Scale	ISO 105 A02-93
Mechanical properties			
Modulus of elasticity	≥ 9.000	N/mm ²	ISO 178
Tensile strength	≥ 70	N/mm ²	ISO 527-2
Flexural strength	≥ 120	N/mm ²	ISO 178
Resistance to impact by large diameter ball			EN 438
> Drop height	1800	mm	
> Diameter of indentation	≤ 6	mm	
Scratch resistance	≥ 3	Rating	EN 438
Chemical properties			
SO ₂ -resistance	4-5 (50 cycles; approx. 0.0067%)	Grey Scale	DIN 50018

Region	Fire classification	Standard
European Union	Type FR: Euroclass B-s2, d0 Type Standard (Non-FR): Euroclass D-s2, d0	EN 13501-1 EN 13501-1
Great Britain	Type FR: Class 0	BS 476 Part 6
Fire classification	Type FR: Class 1	BS 476 Part 7
EN 13501-1 introduced in 2006	Type Standard (Non-FR): Class 2	BS 476 Part 7
Netherlands	Type FR: Euroklasse B-s2, d0	EN 13501-1
Brandklasse	Type Standaard (Non-FR): Euroklasse D-s2, d0	EN 13501-1
EN 13501-1 introduced in 2006		
Germany	Type FR: Klasse B1	DIN 4102-1
Baustoffklasse	Type Standard (Non-FR): Klasse B2	DIN 4102-1
France	Type FR: Classement M1	NF P 92-501
Réaction au feu	Type Standard (Non-FR): Classement M3	NF P 92-501
Indice de fumée	Type FR: Classement F1	NF X 10-702 / NF X 70-100
Toxicité des gaz de combustion	Type Standard (Non-FR): Classement F1	NF X 10-702 / NF X 70-100
Belgium	Type FR: Klasse A1	NBN S21-203
	Type Standard (Non-FR): Klasse A2	NBN S21-203
Spain	Tipo FR: Euroclases B-s2, d0	CTE DB SI 2
	Tipo Estándar (No FR): Euroclases D-s2, d0	UNE 13501-1
Italy	Type FR: Classe 1	DD.MM del 26.06.84 e 03.09.01
	Type Standard (Non-FR): Classe 3	DD.MM del 26.06.84 e 03.09.01
Austria	Type FR: Klasse B1	ÖNORM B 3800 Teil 1 & 2 Ausgabe 1988
	Type Standard (Non-FR): Klasse B2	ÖNORM B 3800 Teil 1 & 2 Ausgabe 1988

Please note:

Due to the CE-marking HPL panels have to be tested in accordance with EN 13501-1.

National authorities decide on (the moment of) introduction of this standard in its building codes.