

Fire protection



OWAcoustic®-Tiles as a building material
Standards EN 13501-1 and DIN 4102 part 1, separate building materials into the following classes according to their fire behaviour

OWAcoustic®-premium tiles are available in Building Class **A2-s1,d0**. They are identified by the following marks:

Building regs type designation	Additional requests		European class to EN 13501-1	Building material class to DIN 4102
	no smoke	No burning droplets		
non combustible	✓	✓	A1	A1
	✓	✓	A2-s1,d0	A2
fire resisting	✓	✓	B-s1,d0	B1
	✓	✓	C-s1,d0	
		✓	A2-s2,d0	B1
		✓	A2-s3,d0	
		✓	B, C-s2,d0 B, C-s3,d0	
	✓	A2-s1,d1	B1	
	✓	A2-s1,d2		
	✓	B, C-s1,d1		
	✓	B, C-s1,d2		
normal flammability			A2-s3,d2 B-s3,d2 A2-s3,d2	B1
	✓	✓	D-s1,d0	
		✓	D-s2,d0	
		✓	D-s3,d0	
	✓	E		
easily inflammable			D-s1,d2 D-s2,d2 D-s3,d2	B2
			E-d2	
			F	B3

A2-s1,d0 to EN 13501-1

OWAcoustic® premium CE
OWAcoustic® smart CE

B1-tiles to DIN 4102

OWAcoustic®-Excell tiles PA III
OWAlux 64/8 PA III

The additional reference numbers mean:
s1, s2, s3 [m²/sec²] describes smoke intensity
s1 = non or low smoke
s3 = heavy smoke
d0, d1, d2 = description of burning droplets
d0 = no burning, no droplets within 600 seconds

Country	Test standard	Classification	
Germany	DIN EN 13501-1	A2-s1,d0	
		B-s1,d0	
EU-Member states	EN 13501-1	A2-s1,d0	
		B-s1,d0	
United Kingdom	BS 476 Part 7	Surface spread of flame class 1	
		BS 476 Part 6/Building regulations 1991 DOC „B”	class 0
France	Arrêté du 21 avril 83	M 1	
		M 0	
Switzerland	Wegleitung für Feuerpolizeivorschriften, 1976	VI q.3 quasi nichtbrennbar, Qualmgrad schwach	
Niederlande	NEN 6065: Vlamuitbreiding	Klasse 1	
		NEN 6065: Vlamoverslag	Klasse 2
		NEN 6066: Rookdichtheid	DL; h; max = 0,04 m - 1
USA	ASTM E 84-97 a	class 1	
Sweden	SBN 1980	Klasse 1	
Denmark	DS 1056	Klasse A	
Spain	UIE 23 - 727 - 80	M 1	
Austria	ÖNORM EN 13501-1	A2-s1,d0	
		B-s1,d0	
Italy	DM 03.09.2001	Classe 0	
Belgium	NBN 713020	Klasse A 1	
		NBN 5 - 21 - 203	

Copies of the Test Certificates are available on request.

