

Building material classifications according to DIN EN 13501-1

Requirements from construction supervision	German standard		European classification	
	Building material classification according to DIN 4102	Additional requirements:	European classification according to DIN EN 13501-1	
Non flammable	A A1 A2	No smoke X X	Building products, except linear tube insulation material A1 A2 – s1,d0	
Flammable	B			
Low flammability	B1	X	B – s1,d0; C – s1,d0 A2 – s2,d0; A2 – s3,d0; B – s2,d0; B – s3,d0; C – s2,d0; C – s3,d0	
Normal flammability	B2	X	A2 – s1,d1; A2 – s1,d2; B – s1,d1; B – s1,d2; C – s1,d1; C – s1,d2 A2 – s3,d2; B – s3,d2; C – s3,d2	
Easily inflammable	B3		D – s1,d0; D – s2,d0; D – s3,d0; E D – s1,d1; D – s2,d1; D – s3,d1; D – s1,d2; D – s2,d2; D – s3,d2; E – d2	
Derivation of the short cuts	Criterion		Range of application	
S (Smoke)	Smoke emission		Requirements on the smoke emission	
D (Droplets)	Dripping of burning parts		Requirements on the burning parts which drip off	