

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: No smoke	European classification according to DIN EN 13501-1	
			Building products, except linear tube insulation material	
Non flammable	A	X	A1	
	A1	X	A2 – s1,d0	
	A2			
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	
		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		
Normal flammability	B2		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	
Easily inflammable	B3		F	
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		