

Instruction Sheet “Fire prevention – German and European classification of building products” 2024

European classification of building products

Additional requirements				Additional requirements					
Building authority designation	DIN 4102	DIN EN 13501	Smoke production	Flaming particles/droplets	Building authority designation	DIN 4102	DIN EN 13501	Smoke production	Flaming particles/droplets
Non-combustible	A1	A1	no/hardly	no drips/droplets	Difficult to ignite	B1	C – s1, d1	no/hardly	limited drips/droplets
Non-combustible	A2	A2 – s1, d0	no/hardly	no drips/droplets	Difficult to ignite	B1	C – s1, d2	no/hardly	many drips/droplets
Difficult to ignite	B1	A2 – s1, d1	no/hardly	limited drips/droplets	Difficult to ignite	B1	C – s2, d0	limited	no drips/droplets
Difficult to ignite	B1	A2 – s1, d2	no/hardly	many drips/droplets	Difficult to ignite	B1	C – s2, d1	limited	limited drips/droplets
Difficult to ignite	B1	A2 – s2, d0	limited	no drips/droplets	Difficult to ignite	B1	C – s2, d2	limited	many drips/droplets
Difficult to ignite	B1	A2 – s2, d1	limited	limited drips/droplets	Difficult to ignite	B1	C – s3, d0	unlimited	no drips/droplets
Difficult to ignite	B1	A2 – s2, d2	limited	many drips/droplets	Difficult to ignite	B1	C – s3, d1	unlimited	limited drips/droplets
Difficult to ignite	B1	A2 – s3, d0	unlimited	no drips/droplets	Difficult to ignite	B1	C – s3, d2	unlimited	many drips/droplets
Difficult to ignite	B1	A2 – s3, d1	unlimited	limited drips/droplets	Difficult to ignite	B2	D – s1, d0	no/hardly	no drips/droplets
Difficult to ignite	B1	A2 – s3, d2	unlimited	many drips/droplets	Normal combustibility	B2	D – s1, d1	no/hardly	limited drips/droplets
Difficult to ignite	B1	B – s1, d0	no/hardly	no drips/droplets	Normal combustibility	B2	D – s1, d2	no/hardly	many drips/droplets
Difficult to ignite	B1	B – s1, d1	no/hardly	limited drips/droplets	Normal combustibility	B2	D – s2, d0	limited	no drips/droplets
Difficult to ignite	B1	B – s1, d2	no/hardly	many drips/droplets	Normal combustibility	B2	D – s2, d1	limited	limited drips/droplets
Difficult to ignite	B1	B – s2, d0	limited	no drips/droplets	Normal combustibility	B2	D – s2, d2	limited	many drips/droplets
Difficult to ignite	B1	B – s2, d1	limited	limited drips/droplets	Normal combustibility	B2	D – s3, d0	unlimited	no drips/droplets
Difficult to ignite	B1	B – s2, d2	limited	many drips/droplets	Normal combustibility	B2	D – s3, d1	unlimited	limited drips/droplets
Difficult to ignite	B1	B – s3, d0	unlimited	no drips/droplets	Normal combustibility	B2	D – s3, d2	unlimited	many drips/droplets
Difficult to ignite	B1	B – s3, d1	unlimited	limited drips/droplets	Normal combustibility	B2	E		
Difficult to ignite	B1	B – s3, d2	unlimited	many drips/droplets	Normal combustibility	B2	E – d2		many drips/droplets
Difficult to ignite	B1	C – s1, d0	no/hardly	no drips/droplets	Easily ignited	B3	F		

The following conditions apply at the NürnbergMesse site (acc. to DIN EN 13501):

unrestricted approval

limited approval only as a stand construction material (see Technical Guidelines 4.4.1.1)

approved up to 2.50 m wall construction/not approved over people (d1)

not approved (D, E, F, s3 or d2)

Key to building product classes: to DIN 4102

A1 = non-combustible (without combustible components) A2 = non-combustible (with combustible components to a minor extent)
 B1 = difficult to ignite
 B2 = normal combustibility
 B3 = easily ignited

B1 = difficult to ignite

B2 = normal combustibility

B3 = easily ignited

Key to building product classes: to DIN EN 13501

A1 = non-combustible (without combustible components) A2 = non-combustible (with combustible components to a minor extent)
 B,C = difficult to ignite
 D,E = normal combustibility
 F = easily ignite

s1 = no/hardly any smoke production

s2 = limited smoke production

s3 = unlimited smoke production

d0 = no drips/droplets

d1 = limited drips/droplets

d2 = many drips/droplets