

Instruction Sheet

“Fire prevention – German and European classification of building products” 2023

European classification of building products

Building authority designation	Additional requirements				Building authority designation	Additional requirements			
	DIN 4102	DIN EN 13501	Smoke production	Flaming particles/droplets		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	Normal combustibility	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

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 ignited
- 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