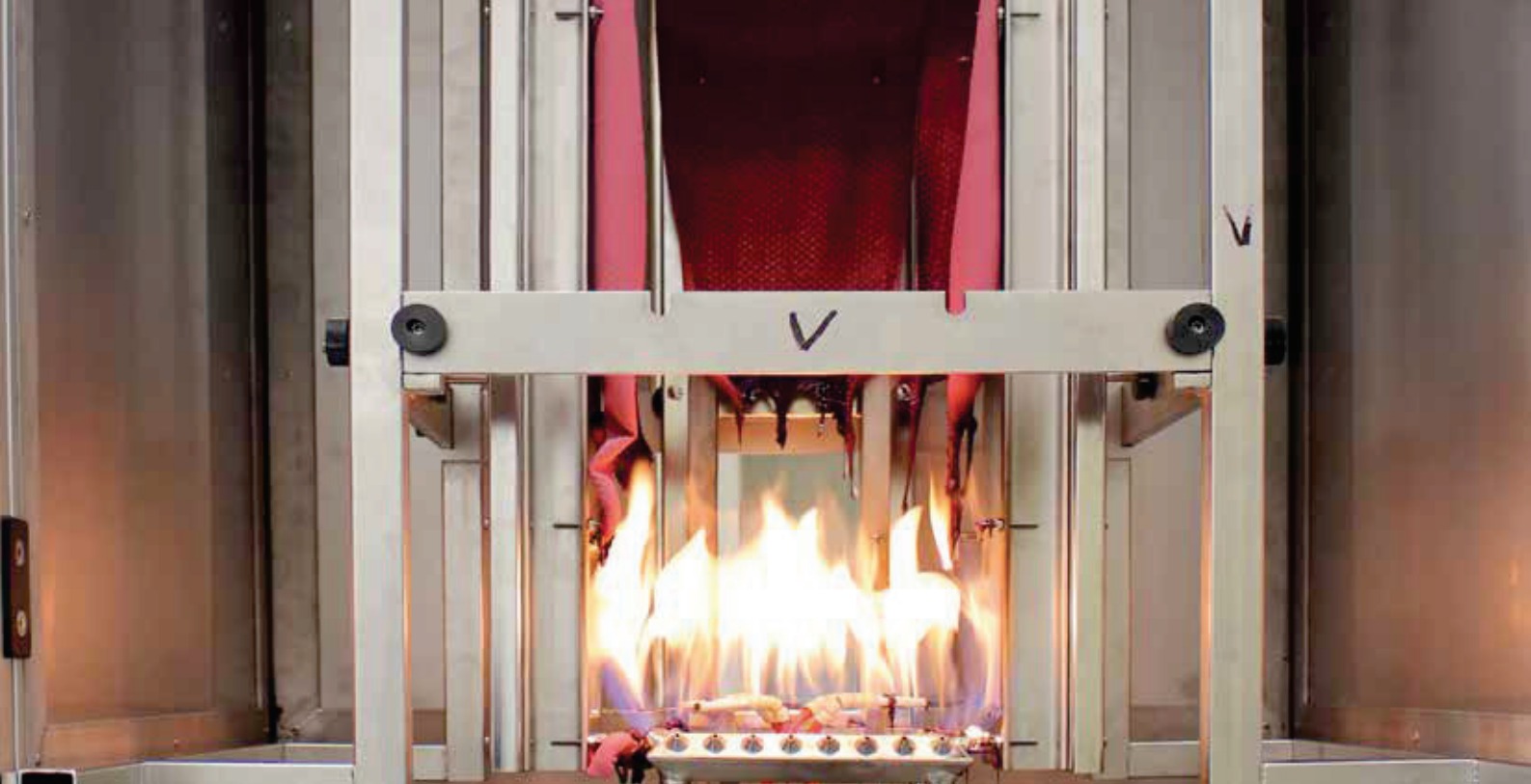




Fire behavior of building materials and components DIN 4102-1

To qualify as **Building material B1 (flame resistant material)**, the requirements of “Kleinbrennerprüfung” B2 in compliance with DIN 4102-1 and the fire shaft test B1 in compliance with DIN 4102-16 must be met.

Specifications	Sample size	Note
Orienting tests		
Building material classification B2 Flammability test acc. DIN 4102-1 “Kleinbrennerprüfung”	1,5 m ²	Flame applied to edge and surface of the sample
Building material classification B1 orienting “Kleinbrennerprüfung” B2 acc. DIN 4102-1 and 1x fire shaft test B1 acc. DIN 4102-16	6 m ²	
Tests for the classification of B1 “hardly flammable”		
Building material classification B1 every additional fire shaft fire shaft test B1 acc. to DIN 4102-16	2 m ²	For each further fire shaft test in a sequence of tests.
Building material class B1 - foil materials incl. pre-test B2 acc. to DIN 4102-1, 2x fire shaft test B1 acc. to DIN 4102-16	6 m ²	
Pre-test: flame applied to edge and surface, 4x fire shaft test B1, sample preparation is included	8 m ²	
Building material classification B1 –Releases of the colour range incl. pre-test B2 acc. to DIN 4102-1 and DIN 4102-16 B1	brightest colour 8 m ² medium colour 8 m ² darkest colour 8 m ²	1x fire shaft test B1 acc. to DIN 4102-16 with brightest colour 1x fire shaft test B1 acc. to DIN 4102-16 with medium colour 1x fire shaft test B1 acc. to DIN 4102-16 with darkest colour 3x fire shaft test on a colour with the most unfavourable result
Building material classification B1 - Releases of the densities range incl. pre-test B2 acc. to DIN 4102-1		2x fire shafts in lowest density 2x fire shafts in highest density 1x fire shafts in the lesser direction acc. to DIN 4102-16
Building material classification B1 - Releases of the thickness range incl. pre-test B2 acc. to DIN 4102-1		2x fire shafts in lowest thickness 2x fire shafts in highest thickness 1x fire shafts in the lesser direction acc. to DIN 4102-16

Testreport in German

Testreport in English