

Fire Protection – Classes of European Building Materials

Construction materials are divided into classes, describing the behavior of substances and materials in fire.

DIN EN 13501 is the European equivalent to the national classification of building materials according to DIN 4102. Both standards provide proof of the flame retardancy of a product.

Contrary to the national classification according to DIN 4102, the European classification standard DIN EN 13501 includes a much wider range of classes and combinations. In addition to the fire behavior (classes A - F), (S1 - s3) and burning dripping / dropping (d0 - d2) have for the first time been taken into account and divided into classes.

A direct comparison of the building material classes (DIN EN 13501 to DIN 4102) is not possible. As a recommendation, NürnbergMesse has published a document ([see PDF](#)) comparing the classifications of both standards.

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