

related test method **EN 1634-1: 1999 Fire resistance tests for door and shutter assemblies Part 1: Fire doors and shutters**

subject **Testing of metal fire doors and need to avoid confusion of metal types**

reference of original query TC2 N269rev2 Helpdesk 2001-05

Problem

In EN 1634-1 reference is often made to METAL frames (and doors), but on other occasions reference is made to STEEL frames (and doors).

With respect to clause 13 Field of Direct Application of test results, there is a potential problem that direct application might be made by laboratories from the test results obtained from (metal) doors with steel frames to those with other metal frames, e.g. those with aluminium frames, especially when concerning the most difficult side exposed to the fire?

Recommendation

When testing metal fire doors & frames, EGOLF laboratories shall regard the terms metal and steel as used in the Standard as making reference to the same material - steel.

Metals such as Aluminium and other non-steel metals shall be regarded as being different to steel and shall not be used interchangeably with steel.

The rule shall be applied that direct application shall refer only to that which was tested and there shall not be substitution of one type of material for the other (unless specifically allowed by direct or extended application).

