

EGOLF POSITION PAPER 011-2019

Subject of Position Paper (max. 60 characters)	Common interpretation of the rule X.54 from EN 15582-2
Related test standard	EN 15882-2
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EGP for attention of (please state CEN TC/WG/TG)	CEN TC 127 / WG2
Keywords (max. 20)	Fire dampers, interpretation, rule, X.54, distance

Problem

Reference: EN 15882-2:2015
Extended application of results from the fire resistance tests for service installations
Part 2: Fire dampers

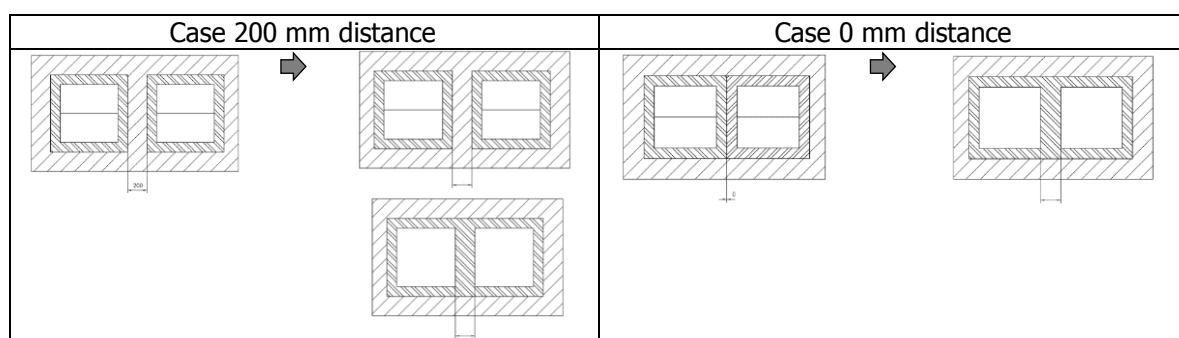
Rule: X.54

Parameter: Change in spacing between dampers

Factor: Greater of less than tested

Influence: Assume that the classification will be maintained unless the dampers are placed closer together than 200 mm.
For closer distance (<200 mm), additional test in accordance with EN 1366-2 is required.

Background(1): Figure 10 and 11 in EN 1366-2 do not provide adequate information on this topic
Background(2): When two dampers are separated by supporting construction and the distance between the dampers is increased, the rule is solid. However, when the (soft) seal is increased between the dampers without limitations, it might influence the fire resistance and stability.



Proposal

Run one test with minimum distance and one test with maximum distance. Use this rule to get the discrete distances in between.

The 'unlimited increasing of seal' shall not be allowed, therefore, a fire resistance test with a maximum distance, determined by the Manufacturer, is required.