

EGOLF AGREEMENT 015-2016

Subject of Agreement	External fire exposure to roofs – various points for clarification
Related test standard	ENV 1187 & EN 13501-5
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Problem

After it appeared at testing according to ENV 1187, test 1, that 1 out of the prescribed 4 test specimens failed, one of our clients asked us the following.

“Is it allowed to perform one additional test and leave out the poor result, and subsequently issue a classification report according to EN 13501-5 based on the 4 test results that are right?”

In chapter 7 of EN 13501-1 is written that when a test is performed according to EN ISO 11925-2 and the results show one test specimen that does not meet the requirements according to EN 13501-1, it is possible to extend the test with an extra two test specimens. In case the result of these two test specimens meets the requirements according to EN ISO 11925-2, the over-all result may be considered to be sufficient for classification.

In EN 13501-5 no such clause is incorporated.

Therefore the question has arisen if this stipulation (or a similar one) can also be declared applicable for testing according to ENV 1187 test 1.

Agreement

There are two possible situations: In the first situation the client is saying that the test specimen was not built up in a correct way. Then (and provided the client has right) it is ok to make a new test with the changed test specimen configuration (which has to be still in compliance with the test specimen configuration of the other three test specimens) and use the result of this new test.

In the second situation the identical test specimen configuration as in the test which failed the criteria shall be used. In general I believe this is acceptable. But for the case that this second test passes the criteria we have available one negative and one positive test result. Based on these two test results we are not safe about the behavior of the product. Therefore a third test with this test specimen configuration has to be done. If the result of the test with this third test specimen is ok, the complete tests are ok and the product can be classified. If it fails, the product is F roof (t1). The test results of all three tests (also of the test which failed) have to be stated in the test report.