

EGOLF POSITION PAPER 005-2016

Subject of Position Paper	Extension to test and glowing combustion criteria
Related test standard	CEN TS 1187:2012 EN 13501-5:2005+A1:2009
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Problem

According to CEN/TS 1187 (clause 4.7.4) the end of the test is described as follows:

*“The duration of the test is 60 min, measured from the commencement of the ignition of the wood wool, **unless a longer test duration is requested by the sponsor**. Surface flames still existing 30 min after the start of the test shall be extinguished e.g. by applying a fire blanket, gaseous extinguishing agent, etc., taking care not to influence any internal constructions. At **the end of the test**, the roof shall be opened and checked for non-flaming fire propagation (**glowing combustion**) and any penetration. The result shall be reported, including the time at which the roof was opened.”*

According to the clause 8 of EN 13501-5, the glowing combustion is a classification criteria (no glowing combustion is allowed).

If the end of the test can be chosen by the principal (e.g. 2-3 hours) it is possible to extend the end of the test in such way, that the glowing combustion is not present anymore. In mineral wool insulation it is possible to have “glowing combustion” present after 1 hour but not present after 2 hours. Although the test report will state that the duration of the test is 2 hours, but the Classification Report according to EN 13501-5 will not indicate the test duration needed to achieve a “B_{ROOF1}” classification.

The question was: How to deal with this possibility to extend the end of the test and the glowing combustion criteria. Can we use extended time (> 60 min) test results for classification acc. to EN 13501-5?

After discussion amongst the members of EGOLF (on 13th of October 2015, Istanbul) it was decided that the test time according to CEN/TS 1187 should be fixed at 60 min without any allowance to extend the test duration.

EGOLF position:

Modify first sentence of CEN/TS 1187 clause 4.7.4 to *“The duration of the test is 60 min, measured from the commencement of the ignition of the wood wool.”*