

Requirements for durability



Resistant fire properties of fire-retardants are self-evident to anyone who values long-term fire safety. But for those who do not value fire properties or do not understand why this property is important, Woodsafe clarifies the importance of long-term properties and how the requirement specification should be interpreted correctly.

Fire-technical performance and long-term durability are not the same, but it is properties that go hand in hand. The requirements according to EN 16755:2017 are:

- Moisture content < 28%,
- HRR 30save ≤ 150 kW/m²
- THR 600s increase < 20% compared to fire testing before the weather exposure

- Testing Standard EN16755
- Underlying test methods EN927:6
- Underlying test methods ISO 5660-1

Results can only be assessed according to the test standard EN16755 when the above has been carried out.

IMPORTANT to understand is: Only if the test was performed via Single Burning Item EN13823 (before and after durabilitytest) can results be assessed according to criteria for THR <7.5Mj with several additional parameters. Thus, it is directly erroneous to approve and accept a product whose properties differ by more than 20%, even though the THR value is less than 7.5 Mj according to criteria for Euroclass B (EN13823, EN13501-1)

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