

Reaction to Fire Classification

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1- Topic

To prevent fire departure or fire propagation, and to insure safe escape routes in public areas, constructions components must be classified under the reaction to fire requirements of the EN13501-1 (2013) standard.

Following the “construction products” definition, described in the EN13501-1 (2013) standard, electrical and electronic appliances are not strictly concerned by this regulation.

The test, performed at the request of COGELEC SA, and the results are used in comparison with the classification of construction products.

2- Product Ident

Digital Notice Board 11-0101

3- Applied standard

EN13501-1 (2013) – Reaction to fire classification, which details:

- o Grade A_x to F, main indicator, corresponding to the flammability degree, with A₁ the highest degree, and F, the lowest degree;
- o Grade s_x, corresponding to the fire smoke development indicator;
- o Grade d_x, corresponding to the droplets development indicator.

To obtain a classification value according to grades A₂ to C, the EN13823 (2015) standard, which described the Single Burning Item (SBI) test method, has been applied.

4- Test results

Tests performed, from 30th April to 14th May 2019, by the IBMB-MPA laboratory, accredited German institute for reaction to fire test.

Through the measured values detailed in the report 2301/221/19, the Digital Notice Board fulfils the requirements for a product of class A₂-s₁-d₀, with the following meaning:

A₂ = slightly or not combustible

s₁ = slightly or not flue gas development

d₀ = not any burning droplets development, observed during 600 seconds following the beginning of the SBI EN13823 test.

5- Conclusion

Product	Classification under EN13501-1 (2013) standard
Digital Notice Board 11-0101	A2-s1-d0

Established by:	Validation and Compliance Department		
Done by:	T.LOIZEAU	Date:	05 th September 2019
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