

3.2. Test results

| Test method | Parameter | Number of tests | Results | |
|------------------------------------------|------------------------------------------------------|-----------------|---------------------------------|-------------------------------|
| | | | Continuous parameter – mean (m) | Compliance with the parameter |
| EN ISO 1716:2010 (adhesive) | PCS (MJ/m ²) | 3 | 3.92 | (–) |
| EN ISO 1716:2010 (powder paint) | PCS (MJ/m ²) | 3 | 2.30 | (–) |
| EN ISO 1716:2010 (fibre-cement board) | PCS (MJ/kg) | 3 | 0.67 | (–) |
| EN ISO 1716:2010 (mineral wool) | PCS (MJ/kg) | 3 | 1.43 | (–) |
| EN ISO 1716:2010 (panel ALFADUR-50) | PCS (MJ/kg) | - | 1.31 | (–) |
| EN 13823+A1:2014 | FIGRA _{0,2MJ} [W/s] | 3 | 10.1 | (–) |
| | FIGRA _{0,4MJ} [W/s] | | 10.1 | (–) |
| | LFS < edge | | (–) | T |
| | THR _{600s} [MJ] | | 0.6 | (–) |
| | SMOGR _A [m ² /s ²] | | 8.4 | (–) |
| | TSP _{600s} [m ²] | | 44.6 | (–) |
| | Flaming droplets/particles | | (–) | N |

(–): not applicable, Y: Yes, N: No

4. Classification and the field of application

4.1. Reference of the classification

The classification has been carried out in accordance with EN 13501-1+A1:2009.

4.2. Classification

The product, **Panel ALFADUR-50**, in relation to its reaction to fire behaviour is classified:

A2

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

| Fire behaviour | | Smoke production | | | Flaming droplets | |
|----------------|----------|------------------|----------|----------|------------------|----------|
| A2 | - | s | 1 | , | d | 0 |

i.e.: A2-s1,d0

Reaction to fire classification: A2-s1,d0

4.3 Field of application

This classification is valid for the following parameters: **Panel ALFADUR-50** described in section 2.

This classification is valid for the following end-use applications:

- **Panel ALFADUR-50** installed directly on a substrates or with an air gap from substrates with a reaction to fire class at least A2-s3,d0.

5. Limitations

This classification will be valid until:

- The test method remains unchanged,
- Product standard or technical approval remains unchanged,
- Constructional or material modifications do not exceed limits of the field of application defined in 4.3.

This classification report has been issued in 3 copies. Additional approved copies can be issued by Fire Research Department – Building Research Institute under the request of the report's owner only.

This classification document does not represent the approval or certification of the product.

Signed



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Approved

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