



TEST REPORT

No. 25/P692

Job No.: 755200675

No. of pages: 7

No. of copies: 2

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Name of test: Reaction to fire - SBI test

Material/product/construction: 755200675/2-1 - EGF/EDF - SAMRAT PLYWOOD LIMITED - compact laminates for external wall and ceiling finishes, thickness 6 mm

Customer: Institut pro testování a certifikaci a.s.
Divize certifikace, Ing. Lenka Lazareva
Třída Tomáše Bati 299
763 02 Zlín – Louky
Czech Republic

Manufacturer: Samrat Plywood Limited
Village Birplassi, Nalagarh
Distt. Solan, Himachal Pradesh, 174101
India

Test specimens delivery date: 7th November 2025

Workplace: Fire technical laboratory

Location: Pražská 810/16, Praha 10 – Hostivař

Date of test: 6th – 9th February 2026

Date of issue: 9th February 2026

Vít Slaboch

Reviewed by:
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1. Test assignment

The test has been carried out on the basis of order of internal cooperation no. 755200675-03.

2. Test methods

ČSN EN 13823+A1:2022 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item.

3. Test specimens

The test specimens were delivered by Customer. Marking of the test specimens in laboratory: 25/P692

Composition: Undeclared

Description of test specimen: White board of thickness 6 mm, mass per unit area 10,2 kg/m². Boards were mechanically fixed on the standard wooden frame specified in ČSN EN 438-7, Annex B, composed of spruce-wood. The test specimen was constructed according to the ČSN EN 438-7, Annex B with open joints and with standard mineral wool insulation. Width of joints is 8 mm.

The laboratory is not responsible for data supplied by the customer that may affect the validity of the test results.

4. Test equipment

- 1) Test device according to ČSN EN 13823 (Reg. No. 703)
- 2) Yardstick (Reg. No. 2)
- 3) Digital stop watch (Reg. No. 22)
- 4) Mass flow meter of propane (Reg. No. 151)
- 5) Thermometer / relative humidity meter (Reg. No. 5)
- 6) Digital anemometer (Reg. No. 67)
- 7) Digital barometer (Reg. No. 12)
- 8) AD converter (Reg. No. 45)
- 9) Micro pressure gauge (Reg. No. 163)
- 10) Weighing scale (Reg. No. 50)
- 11) Coated thermocouple 0,5 mm (Reg. No. 159)
- 12) Coated thermocouple 0,5 mm (Reg. No. 160)
- 13) Coated thermocouple 0,5 mm (Reg. No. 161)
- 14) Coated thermocouple 1,5 mm (Reg. No. 21)

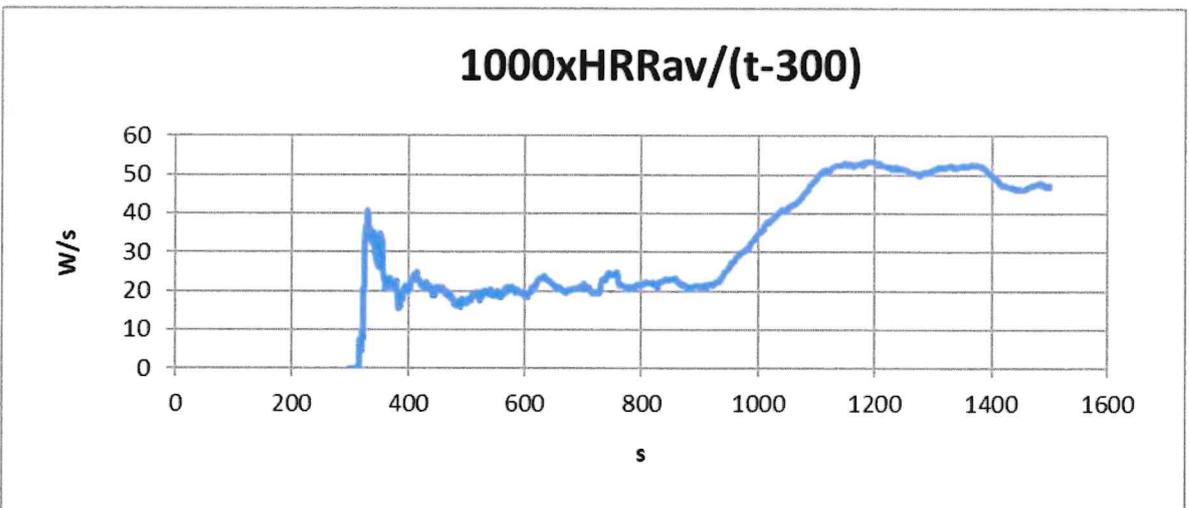
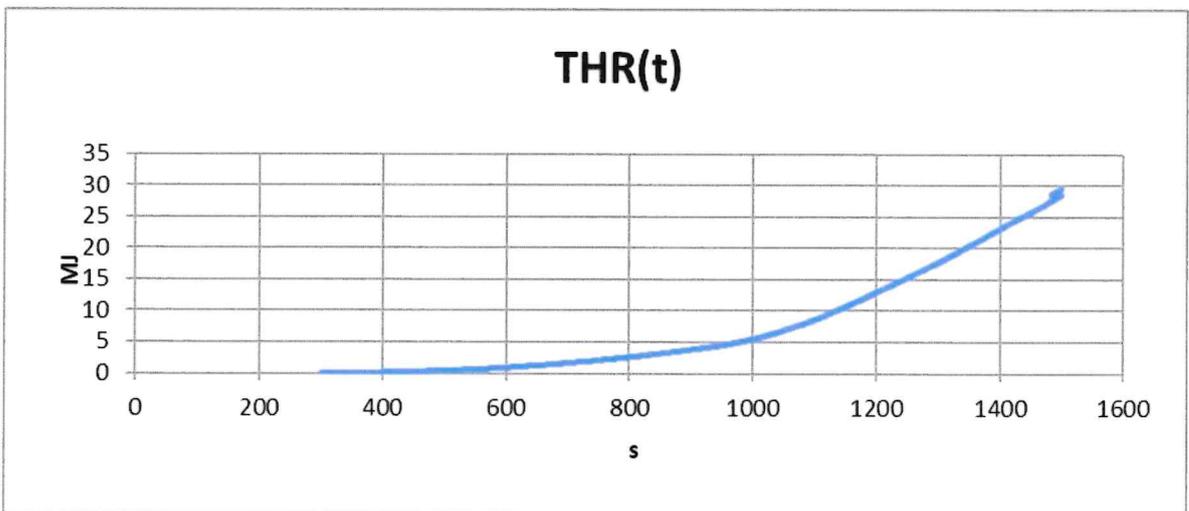
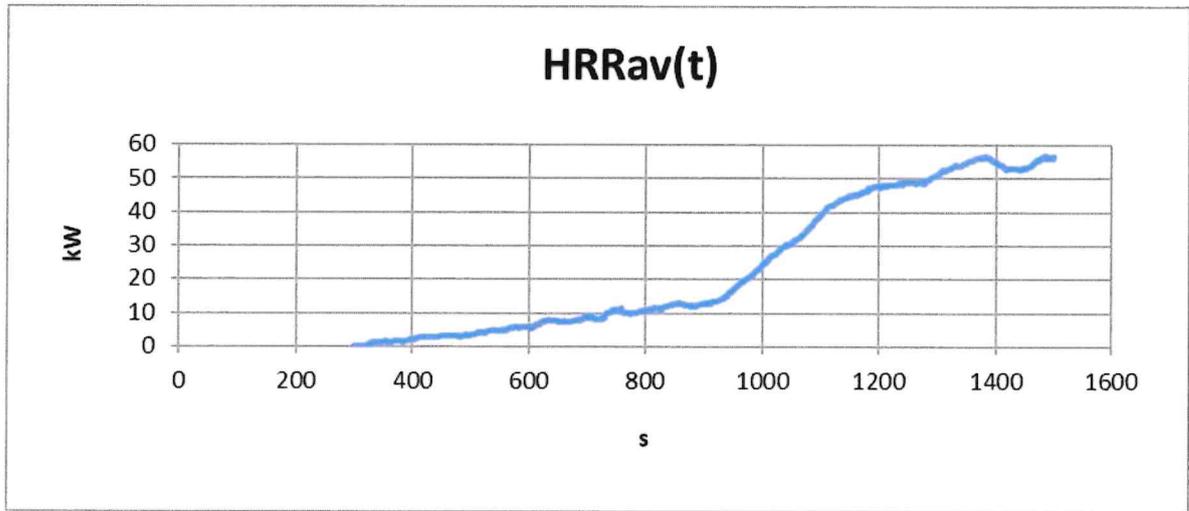


5. Test results

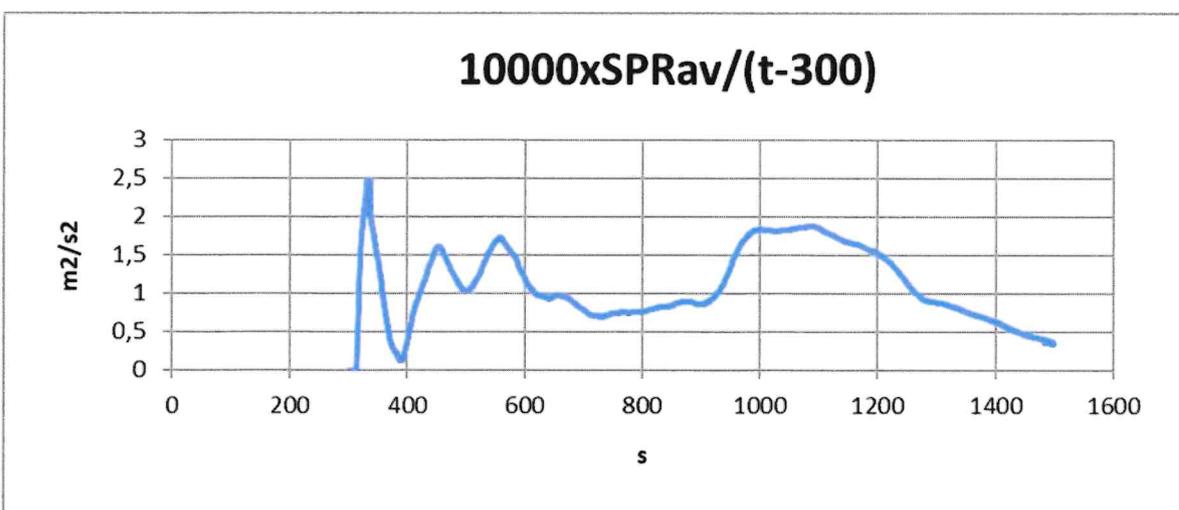
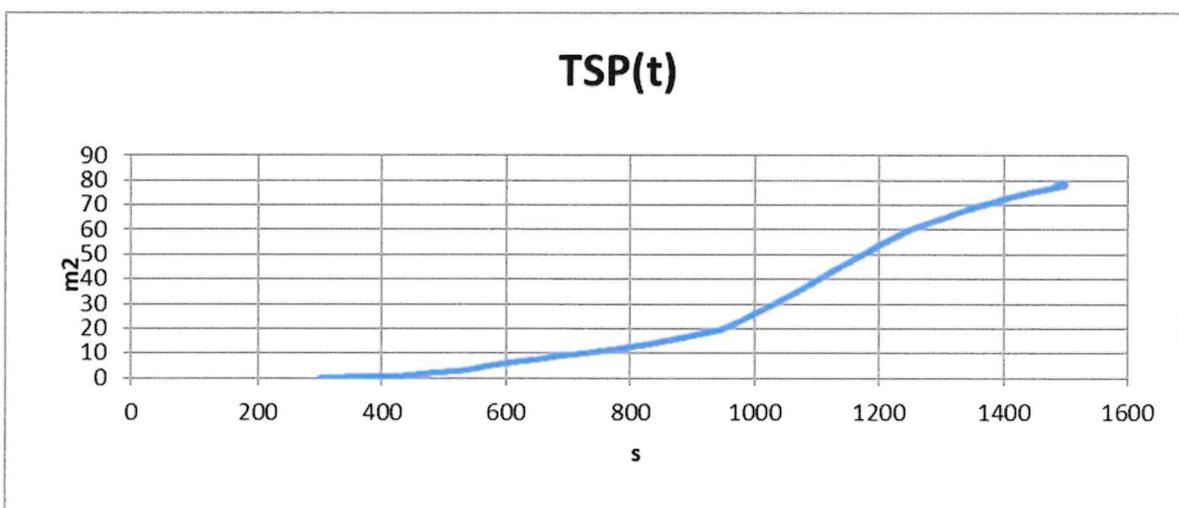
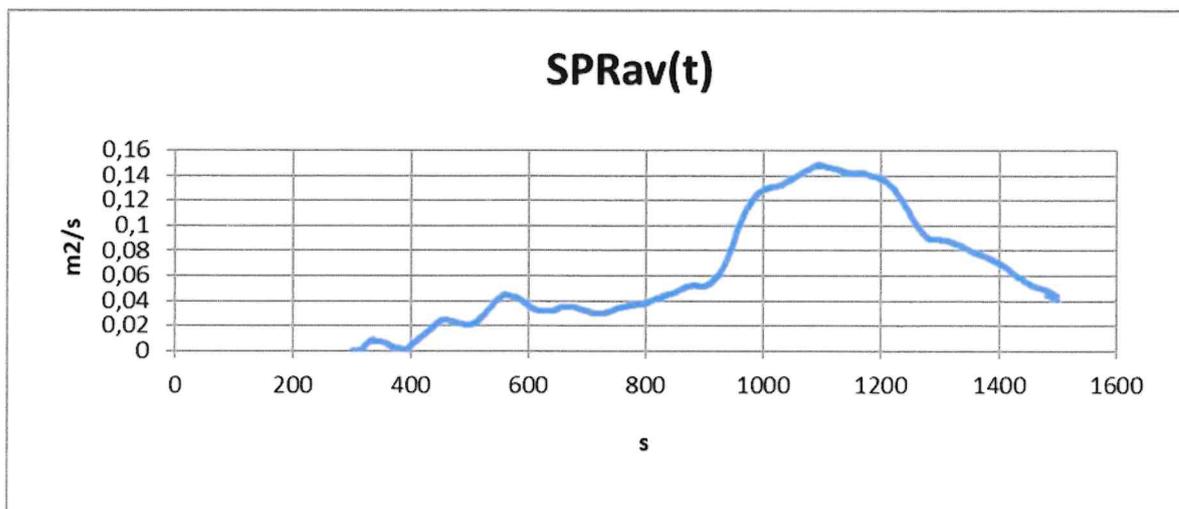
Conditioning: From 5th January 2026 according to ČSN EN 13238

Test specimen no.	1	2	3	Ø	Expanded uncertainty
Date of test	6.2.	7.2.	9.2.		
LFS < edge	yes	yes	yes	yes	(-)
FIGRA _{0,2 MJ} [W/s]	53,6	59,8	50,6	54,7	12,7
FIGRA _{0,4 MJ} [W/s]	53,6	59,8	50,6	54,7	12,7
THR _{600 s} [MJ]	4,0	4,2	4,0	4,1	2,3
SMOGRA [m ² /s ²]	1,9	2,3	1,5	1,9	2,3
TSP _{600 s} [m ²]	17,9	20,7	19,3	19,3	4,3
Flaming droplets/particles	no	no	no	no	(-)
Time of flaming [s]	(-)	(-)	(-)	(-)	(-)

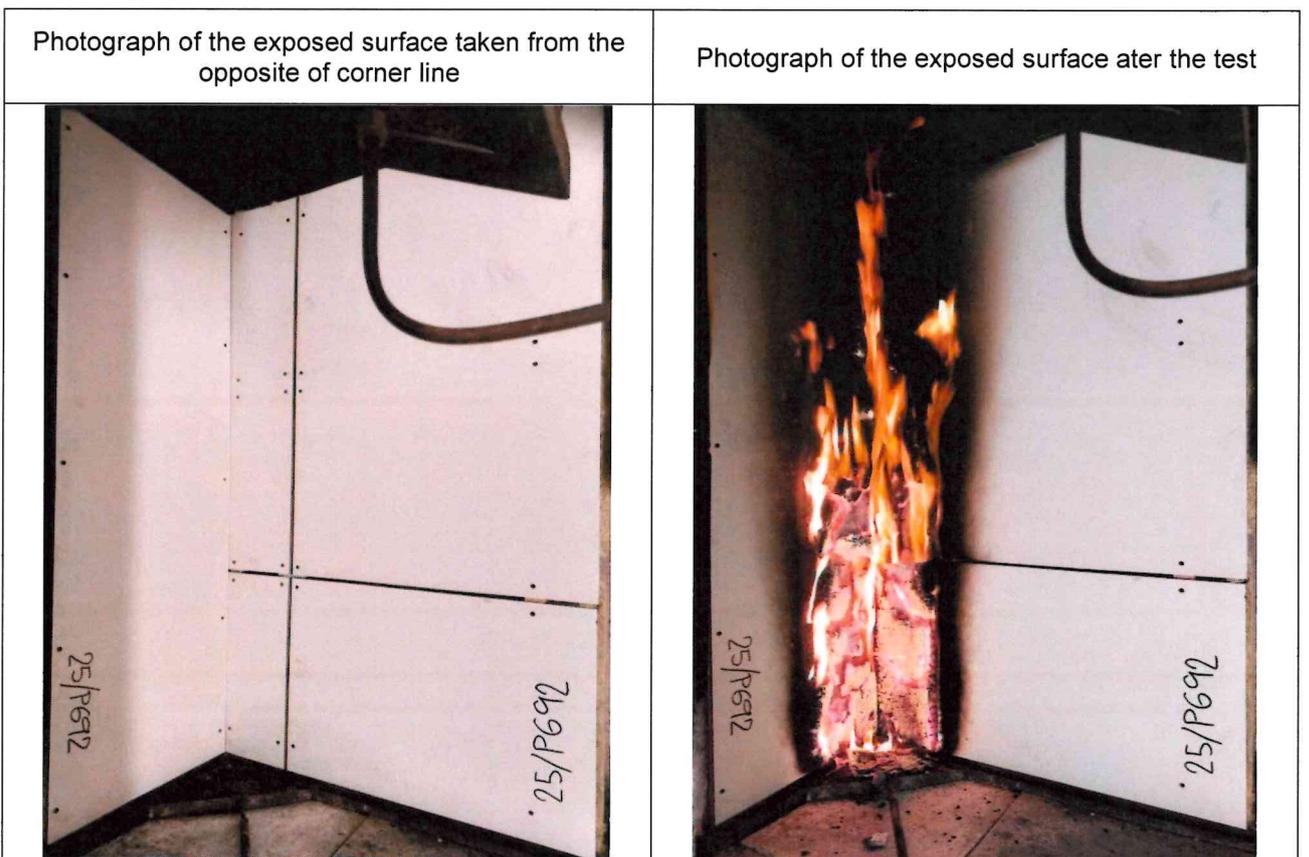
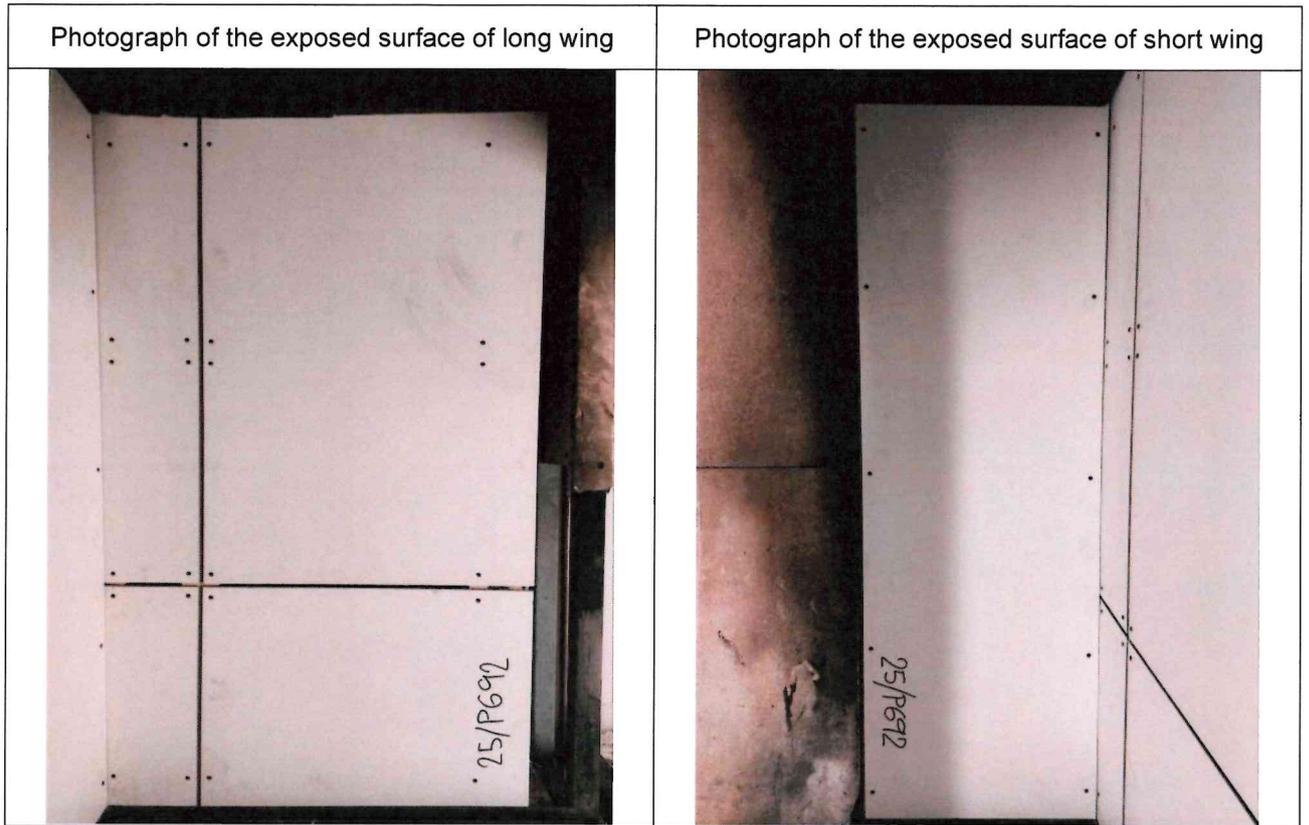
The graphs of measured and calculated values – heat release



The graphs of measured and calculated values – smoke production



The photograph of the exposed surface of the test specimen





6. Measurement uncertainty

The mentioned expanded uncertainties are obtained by multiplying the standard uncertainties by a coverage factor $k=2$, which corresponded to a level of confidence approximately of 95 %. Standard uncertainties have been determined in accordance with document ILAC-G17:01/2021.

7. Declaration

The test results relate to the behaviour of the test specimen of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product of use. The results of tests are concerned only with the subject of testing. The test report shall be reproduced in full only. Given that, the samples were provided by the customer, the results relate to the samples as it were received.

Distribution of test reports:

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END OF TEST REPORT