

PN-EN 13823 - Report No. 3286 of the day 2025-11-07

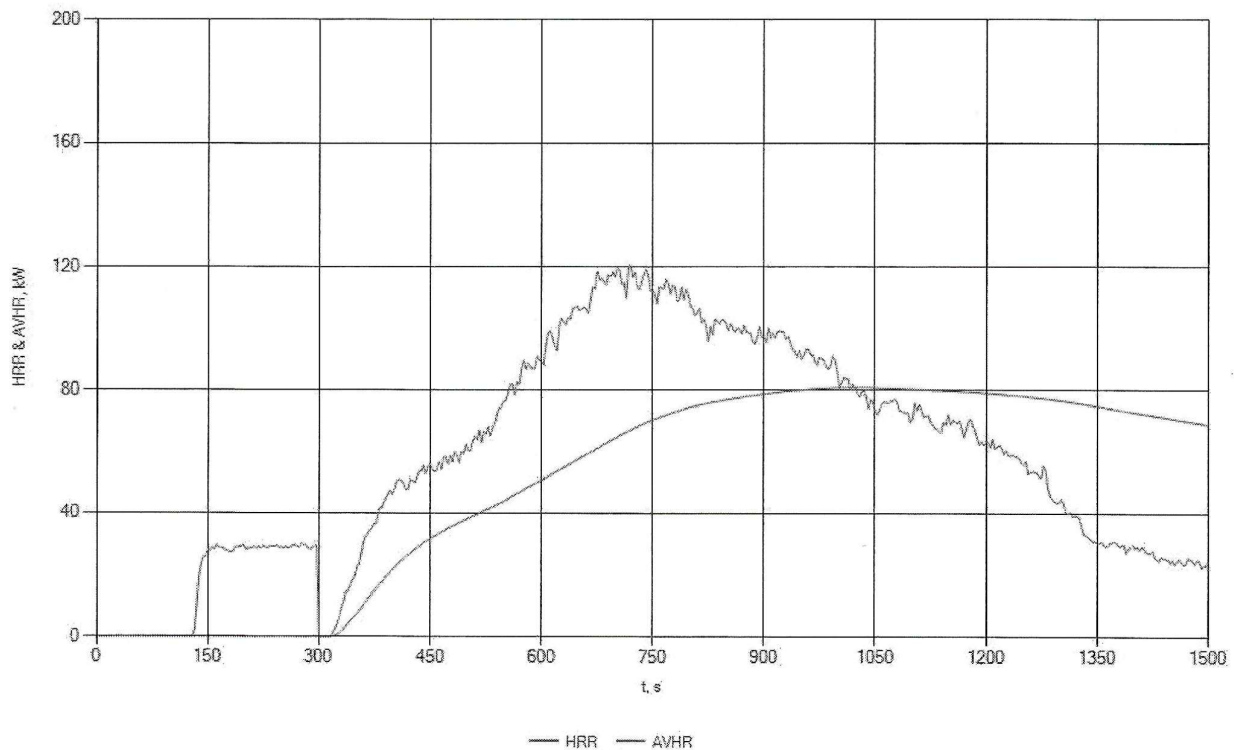
Test method /norm	PN-EN 13823:2020-11
Material/product	2. Aluwood
Backing/fastening	GK
Manufacturer/supplier	PVH Production
Sponsor	PVH Production
Testing laboratory name	Sychta Labororium
Operator	Andrzej Sychta
Set of findings	2. Aluwood.txt
Comment/ observation	D-s1,d0

Data of specimen		Data of apparatus	
Number	1	Exhaust flow rate	0,6 m3/s
Conditioning according to	PN-EN 13823	Exhaust diameter	0,315 m
Environmental conditions		Calibration constant	0,810
Environmental temperature	24,0 °C	Oxygen consumption constant	17200 kJ/m3
Barometric pressure	1010 hPa	Analyzer delay	12 s
Humidity	40 %	Current control	YES

General		Heat release rate HRR	
Duration of the test	1560 s	Maximum HRR	120,32 kW
Termination of the test according to	PN-EN 13823	Average heat release rate MARHE	80,95 kW
Smoke		Total HRR (THR)	82684,6 kJ
Maximum of light attenuation Smax	3,38 %	THR600s	47318,3 kJ
Maximum smoke production rate SPRmax	0,0727 m2/s	FIGRA0.2	497 W/s
Total smoke production TSP	22,8 m2	FIGRA0.4	497 W/s
TSP600s, m2	17,6 m2	Volume concentration	
SMOGRA	0,0 m2/s2	Maximum CO2	1,160 %
Additional observation		Maximum CO	0,0000 %
LFS>edge	NO	Oxygen consumption	1,94 %
Flaming particles or droplets	d0		

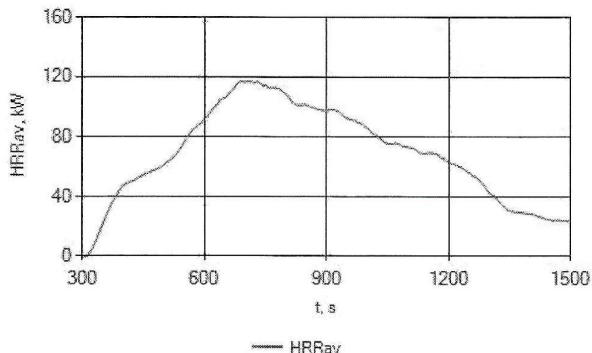
Graphs depicting the course of the measurement

Graphs of HRR i AVHR

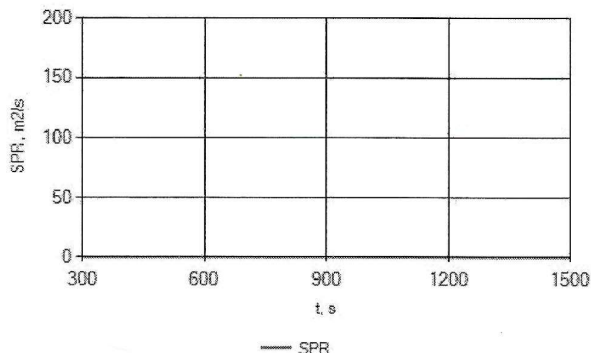


Additional graphs

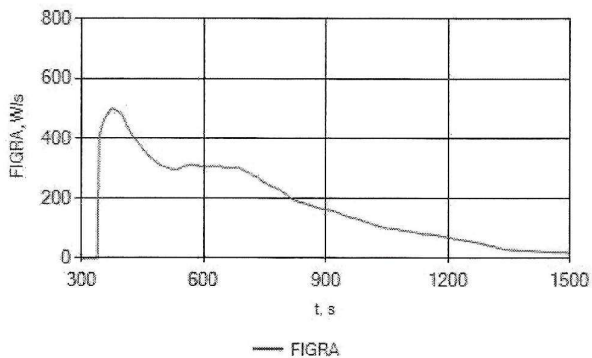
HRRav



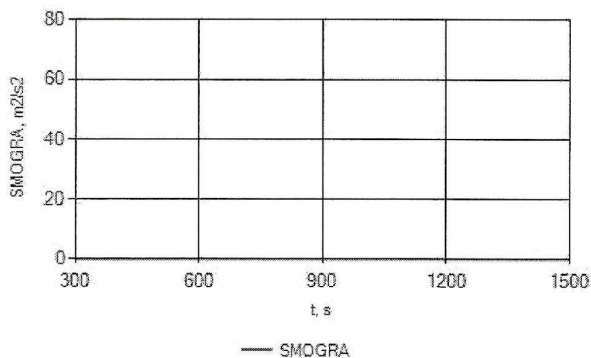
Average SPR



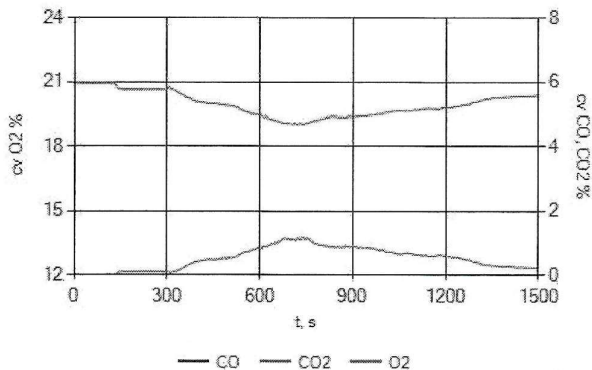
FIGRA



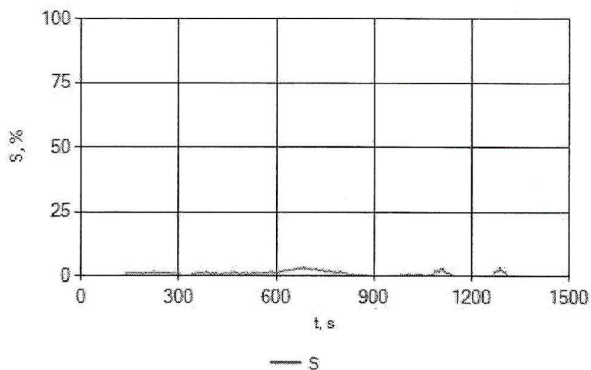
SMOGRA



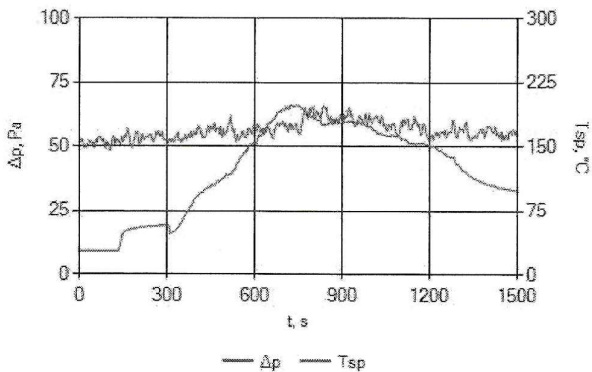
Volume concentration cv CO, CO2, O2



Light attenuation S



Gas temperature at orifice Tsp and the orifice pressure differential p



Heat THR

