

PN-EN 13823 - Report No. 3288 of the day 2025-11-07

Test method /norm	PN-EN 13823:2020-11
Material/product	3. Aluwood playn
Backing/fastening	GK
Manufacturer/supplier	PVH Production
Sponsor	PVH Production
Testing laboratory name	Sychta Labororium
Operator	Andrzej Sychta
Set of findings	3. Aluwood playn.txt
Comment/ observation	A2-s1,d0

Data of specimen

Number	1
Conditioning according to	PN-EN 13823
Environmental conditions	
Environmental temperature	25,4 °C
Barometric pressure	1010 hPa
Humidity	40 %

Data of apparatus

Exhaust flow rate	0,6 m3/s
Exhaust diameter	0,315 m
Calibration constant	0,810
Oxygen consumption constant	17200 kJ/m3
Analyzer delay	12 s
Current control	YES

General

Duration of the test	1560 s
Termination of the test according to	PN-EN 13823

Smoke

Maximum of light attenuation Smax	0,90 %
Maximum smoke production rate SPRmax	0,0064 m2/s
Total smoke production TSP	2,1 m2
TSP600s, m2	1,6 m2
SMOGRA	0,0 m2/s2

Additional observation

LFS>edge	NO
Flaming particles or droplets	d0

Heat release rate HRR

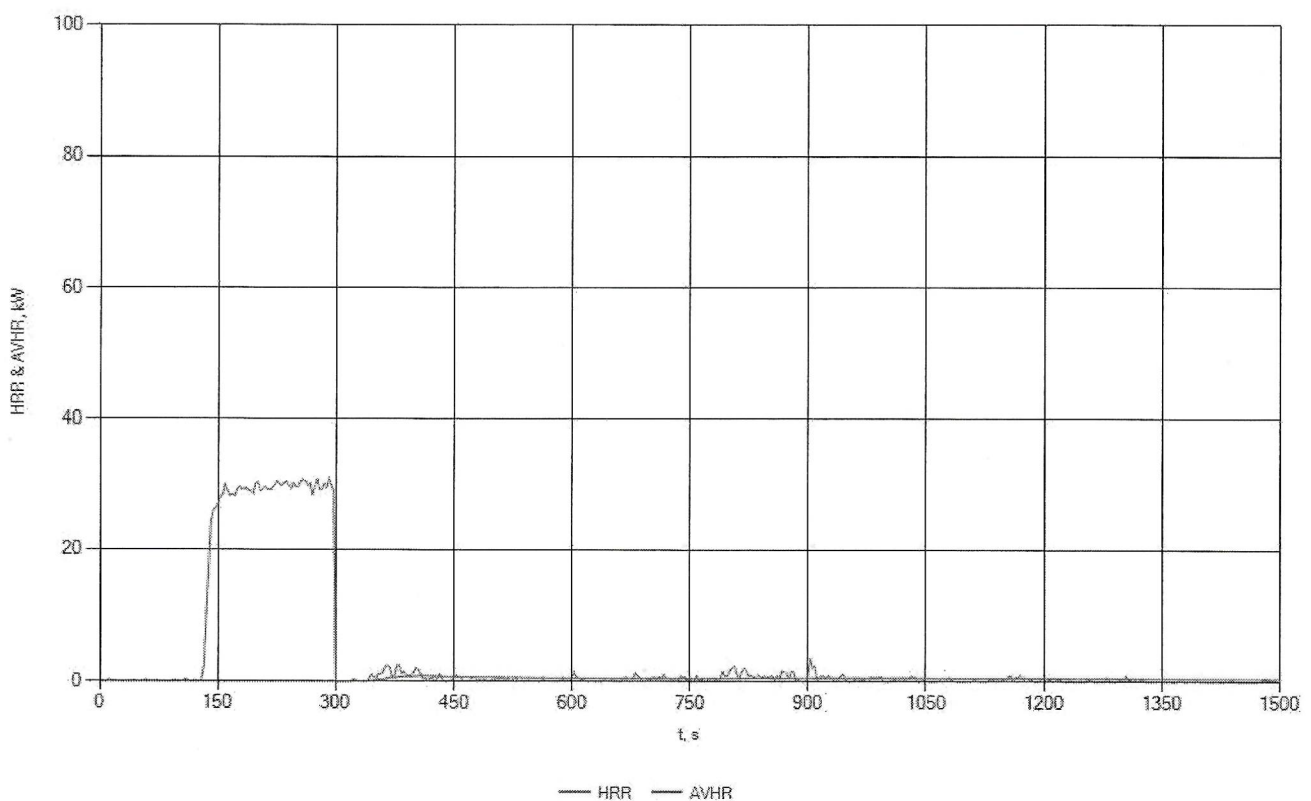
Maximum HRR	3,53 kW
Average heat release rate MARHE	0,85 kW
Total HRR (THR)	436,5 kJ
THR600s	304,1 kJ
FIGRA0.2	0 W/s
FIGRA0.4	0 W/s

Volume concentration

Maximum CO2	0,097 %
Maximum CO	0,0000 %
Oxygen consumption	0,33 %

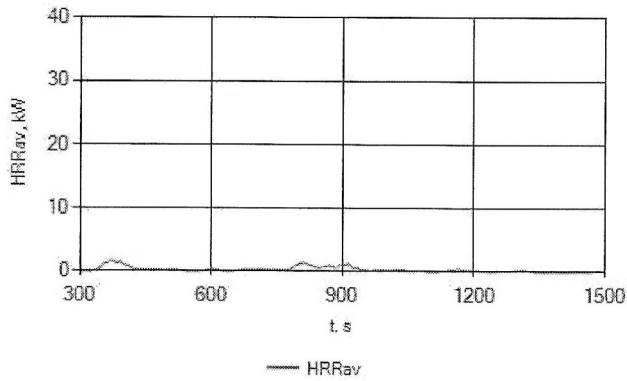
Graphs depicting the course of the measurement

Graphs of HRR i AVHR

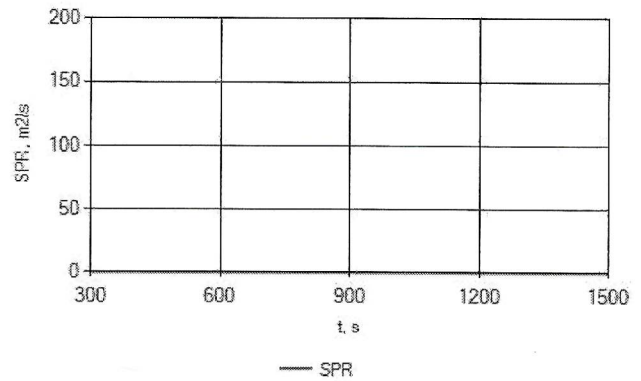


Additional graphs

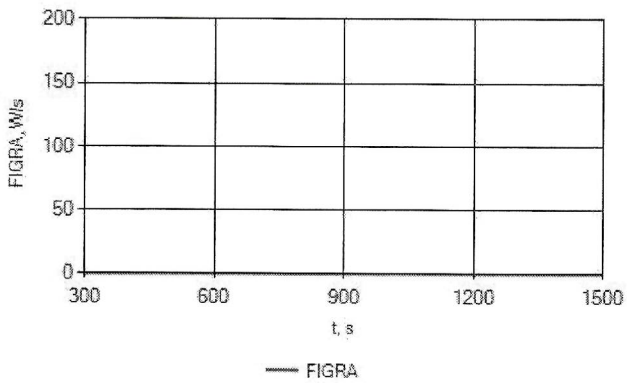
HRRav



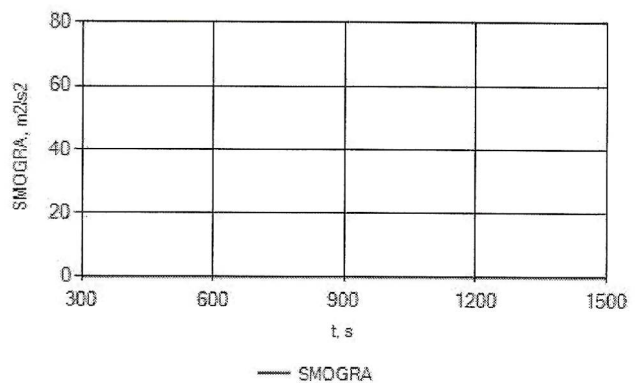
Average SPR



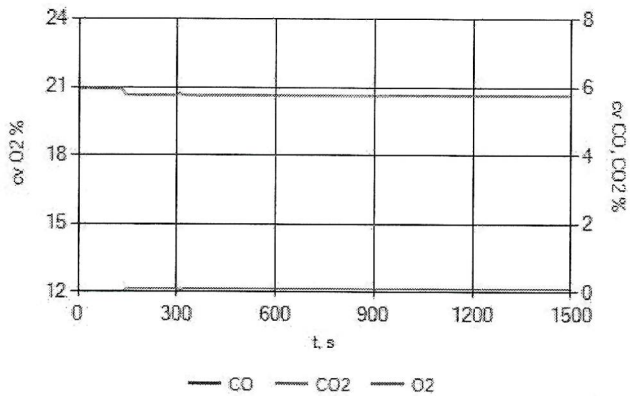
FIGRA



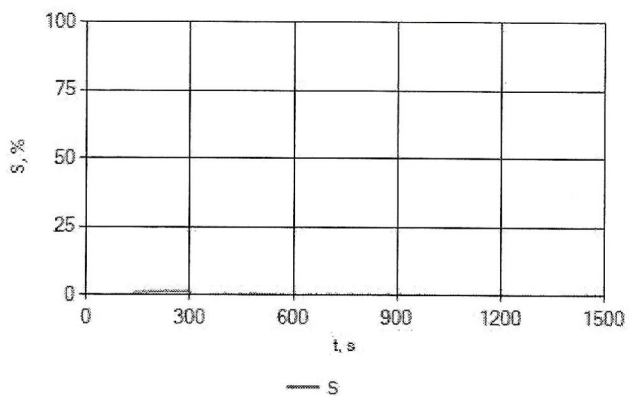
SMOGRA



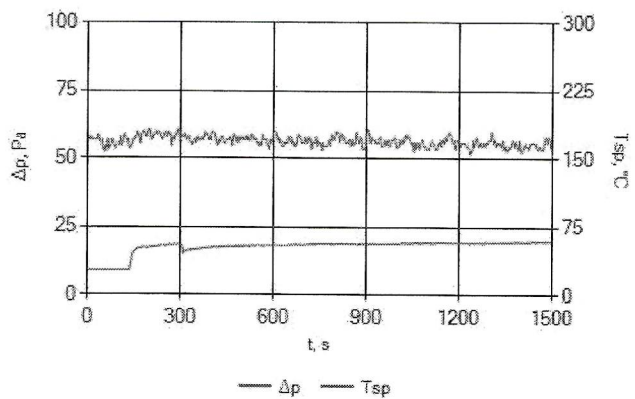
Volume concentration cv CO, CO2, O2



Light attenuation S



Gas temperature at orifice Tsp and the orifice pressure differential p



Heat THR

