

Laboratory for Fire Safety EN 13823 - SBI - Test results

program version v4.22 03-12-25 JM

Project data

Project no: Y3366#ForestH01_20230526
Print date: 26-5-2026 09:45:47
Test date: 26-05-2025
Technician: DDe

Measured data read from file(s):
Y3366#ForestH01_20230526.txt
20250526.spr

Description of product and mounting

Identification sample: Forest
Test specimen no.: #01
Substrate: CaSi
Mounting: End-use
Seams/joints: Horizontal

Description of specimen tested

Forest
Horizontal
Colour: Glory Sand
Screw system

Recorded events during the test

Surface flash: N
Falling of parts of the specimen: N
Smoke not entering the hood: N
Mutual fixing of backing boards fails: N
Conditions justify early termination: N
Distortion or collapse of the specimen: N
Any other additional events: none

Visual observations during the test

Lateral flame spread till edge of specimen: N
Flaming droplets/particles ≤ 10 s: N
Flaming droplets/particles > 10 s: N

Results

Figra 02: 39,46 W/s at: 489 s
Figra 04: 39,46 W/s at: 489 s
THR600: 3,97 MJ
Smogra: 48,08 m2/s2 at: 1053 s
TSP600: 682,86 m2

The test specimen complies with classes

Fire behaviour: **B**
Smoke production: **s3**
Falling droplets: **d0**

Classification in accordance with EN 13501-1 requires:
Class A2: 3 SBI-tests and EN ISO 1716 or EN ISO 1182
Class B/C/D: 3 SBI-tests and EN ISO 11925-2

Classification limits

Fire:	A2/B	C	D
Figra0.2:	≤120		
Figra0.4:		≤250	≤750
THR600:	≤7,5	≤15	
LFS:	<edge	<edge	
Smoke:	s1	s2	s3
Smogra:	≤30	≤180	not s1/s2
TSP600:	≤50	≤200	not s1/s2
Drop./Part.:	d0	d1	d2
flaming droplets/particles	none	≤10 s	not d0/d1

Laboratory for Fire Safety EN 13823 - SBI - Heat release

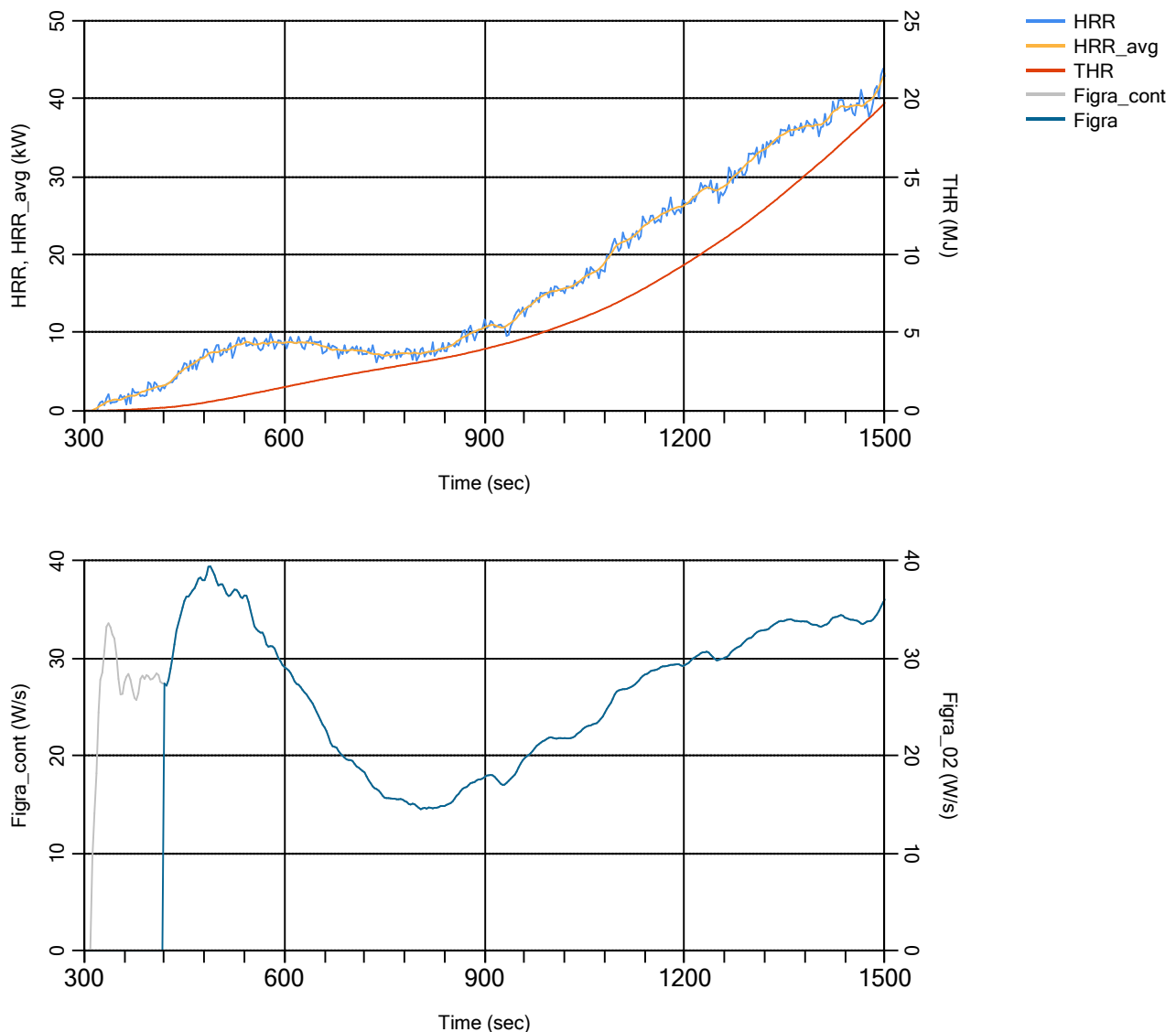
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Heat release and Figra



Laboratory for Fire Safety EN 13823 - SBI - Smoke production

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Smoke production and Smogra

