

SBI Test Report

Laboratory name Rise
 Operator Krister
 Filename C:\SBICALC\Data\Projekt 2022\P111637.DP02\P111637a1.RW1
 Report identification
 Product identification Kolad Träpanel Yoroi

Test		Pre-test conditions		Specimen conditioning	
Standard used	EN 13823:2010	Baseline duct temperature	294.33 K	Method	Fixed period
Date of test	04/01/2022	Ambient temperature	294.16 K	Time interval	24 hours
Date of report	04/01/2022	Ambient pressure	96.7 kPa	Mass 1	1799 g
E'	17.2 MJ/m ³	Relative humidity	29%	Mass 2	1800 g
Apparatus specifications		Baseline conditions		Temperature	23°C
kt	0.877	Baseline ambient oxygen	20.795%	RH	50%
kp	1.24	Baseline oxygen	20.954%		
Duct diameter	0.315 m	Baseline carbon dioxide	0.0460%		
O2 calibration delay time	13 s	Baseline smoke	99.99%		
CO2 calibration delay time	10 s				

Specimen information

Thickness	Mounting method	none
Density	Joints	none
Surface mass/area	Fixed to substrate?	No
Specimen number	Fixing method	N/A
Date of arrival	Substrate	none
	Manufacturer	
	Sponsor	Zwarthout Lazaros

Test validity criteria

Test drifts

	Initial	Final	Change
Oxygen	20.954%	20.948%	0.006%
CO2	0.046%	0.049%	0.003%
Smoke	99.99%	99.47%	0.005

Exposure time 1254 s

Synchronisation details

Duct temp. dropped by 2.5 K from baseline of 318.23 K at 303 s
 Oxygen rose by 0.05% from baseline of 20.666% at 303 s
 CO2 dropped by 0.02% from baseline of 0.230% at 306 s

Burner details

Auxiliary Burner HRR	31.760 kW
Auxiliary Burner HRR std. dev.	0.481 kW
Burner CO2/O2 ratio	0.640
Auxiliary Burner SPR	0.030 m ² /s
Auxiliary Burner SPR std. dev.	0.004 m ² /s
Burner response time	12 s

Other checks

Minimum duct flow	0.565 m ³ /s
Maximum duct flow	0.618 m ³ /s
No T/C failure	

Classification results		Classification observations		Potential classification	
FIGRA(0.2)	33.2 W/s at 1500 s	LFS to edge?	No	Class	A2/B
FIGRA(0.4)	33.2 W/s at 1500 s	FDP flaming <= 10s?	No	Smoke production	s1
THR(600)	4.7 MJ	FDP flaming > 10s?	No	Flaming droplets/particles	d0
SMOGRA	2.6 m ² /s ² at 1497 s				
TSP(600)	24.0 m ²				

Recorded events Surface flashes? No; Falling specimen parts? No; Smoke not entering hood? No
 Mutual fixing of backing board failed? No; Distortion/collapse of specimen? No

Pre-test comments

After-test comments

SBI Test Report

Laboratory name Rise
Operator Krister
Filename C:\SBICALC\Data\Projekt 2022\P111637.DP02\P111637a1.RW1
Report identification
Product identification Kolad Träpanel Yoroj

Alternative smoke results

Smoke test filename C:\SBICALC\Smoke\smoke 2022\smoke 220104.rw1
Main burner SPR 0.060 m²/s
Main burner SPR std. dev. 0.006 m²/s

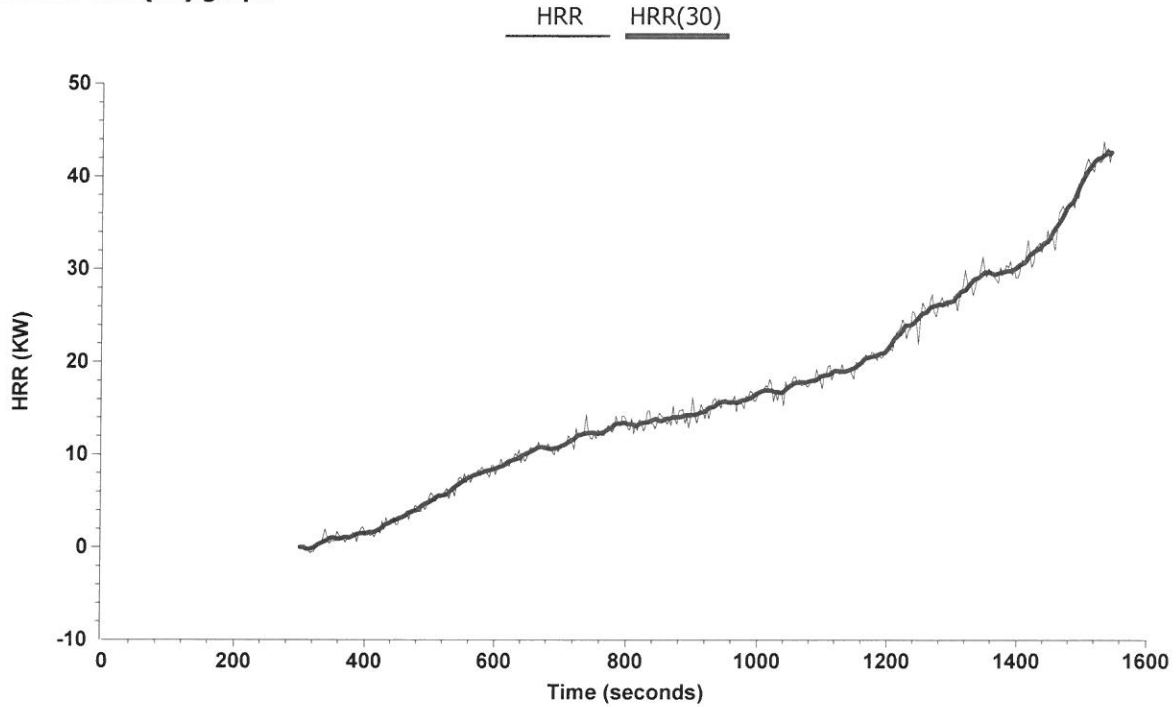
Alternative classification results

SMOGRA 2.3 m²/s² at 1497 s
TSP(600) 7.6 m²
Smoke production class s1

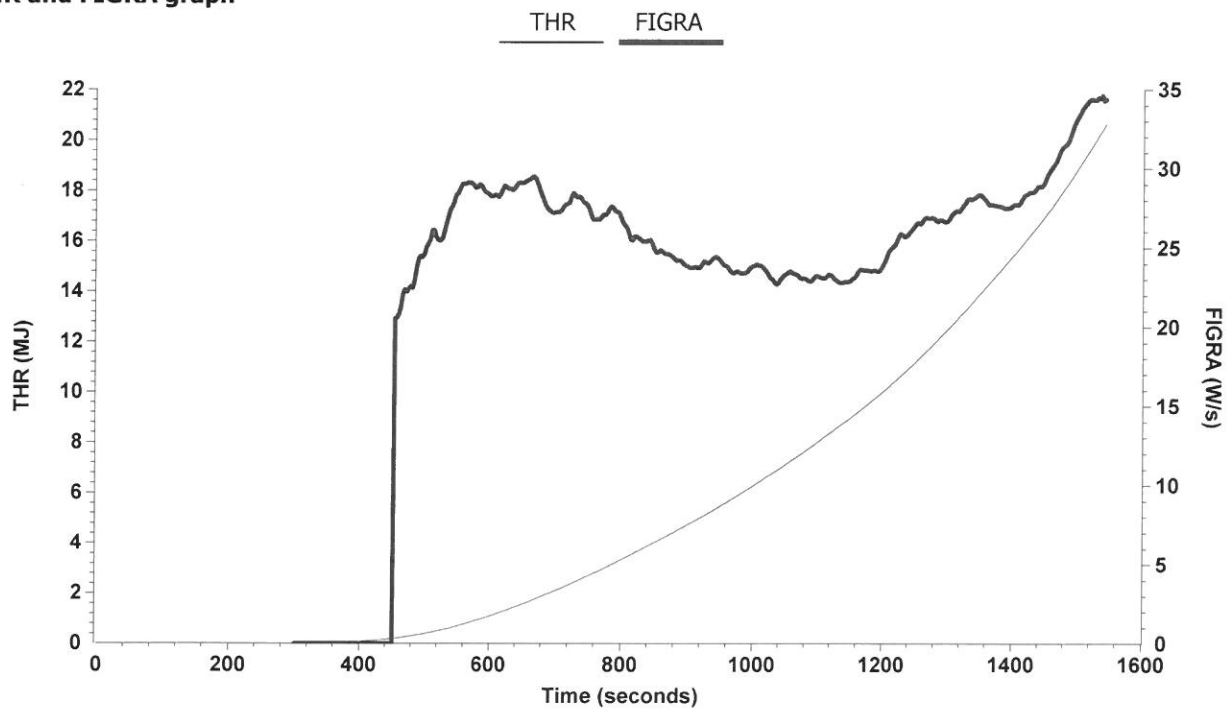
SBI Test Report

Laboratory name Rise
Operator Krister
Filename C:\SBICALC\Data\Projekt 2022\P111637.DP02\P111637a1.RW1
Report identification
Product identification Kolad Träpanel Yoroi

HRR and HRR(30) graph



THR and FIGRA graph

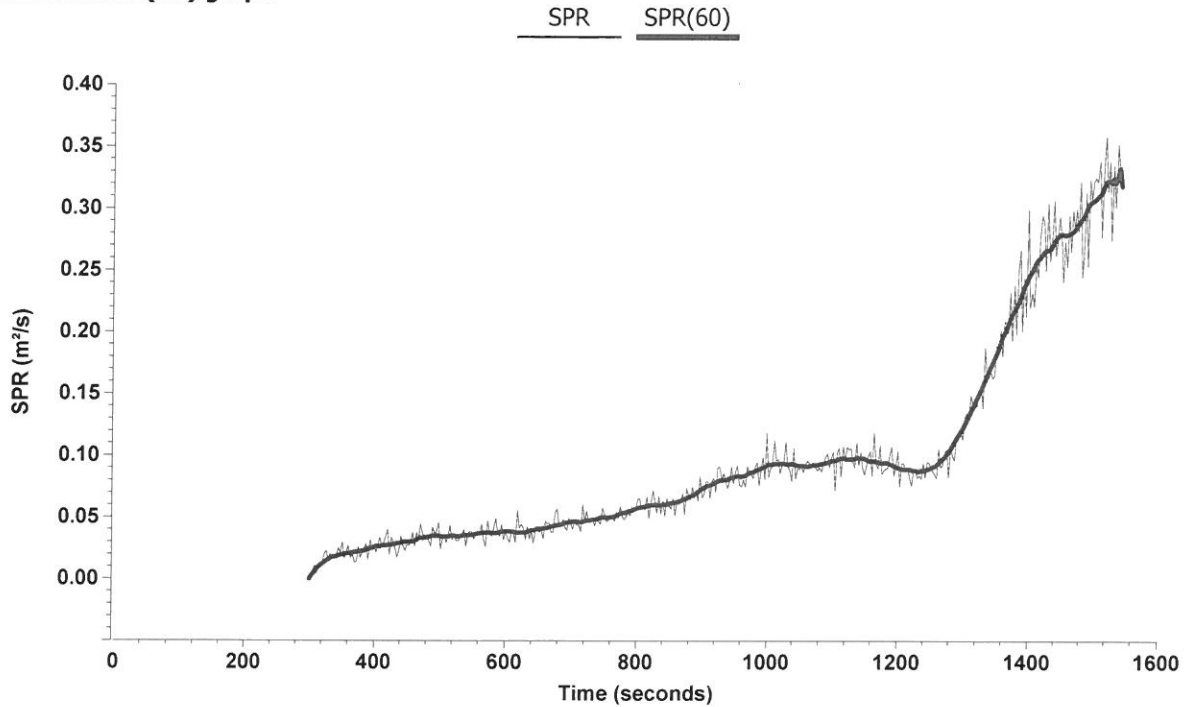


The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

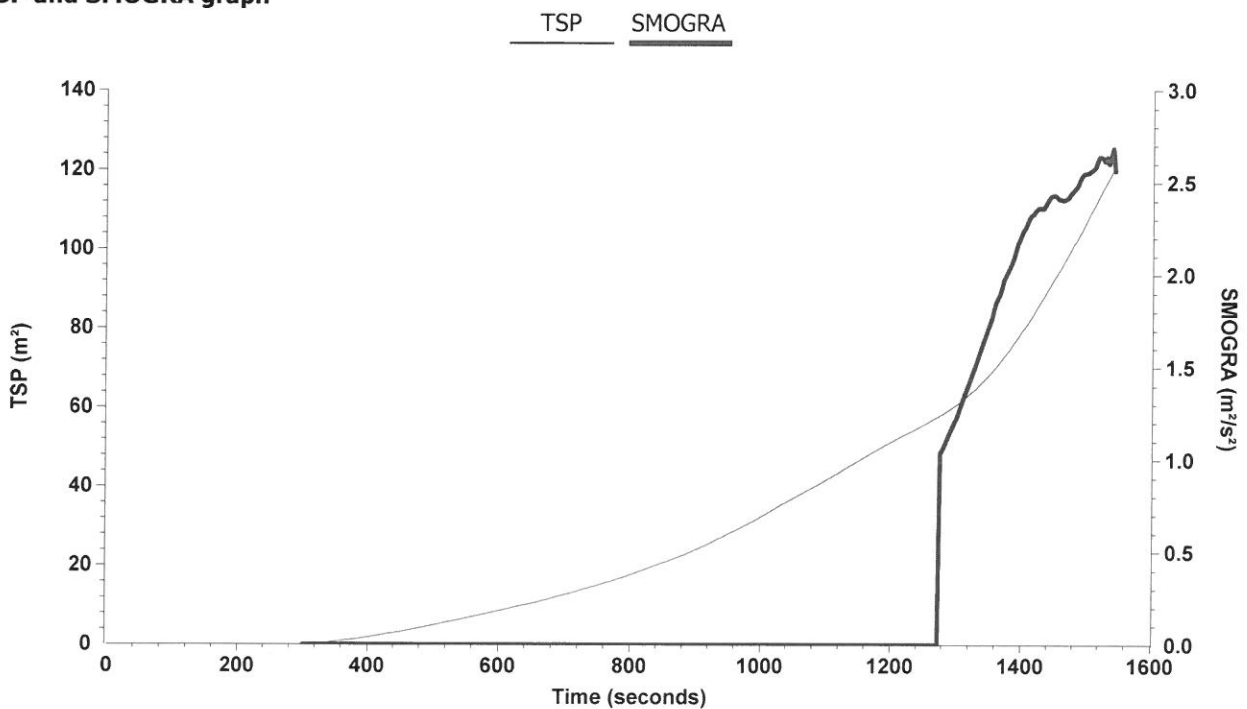
SBI Test Report

Laboratory name Rise
Operator Krister
Filename C:\SBICALC\Data\Projekt 2022\P111637.DP02\P111637a1.RW1
Report identification
Product identification Kolad Träpanel Yoroi

SPR and SPR(60) graph



TSP and SMOGRA graph

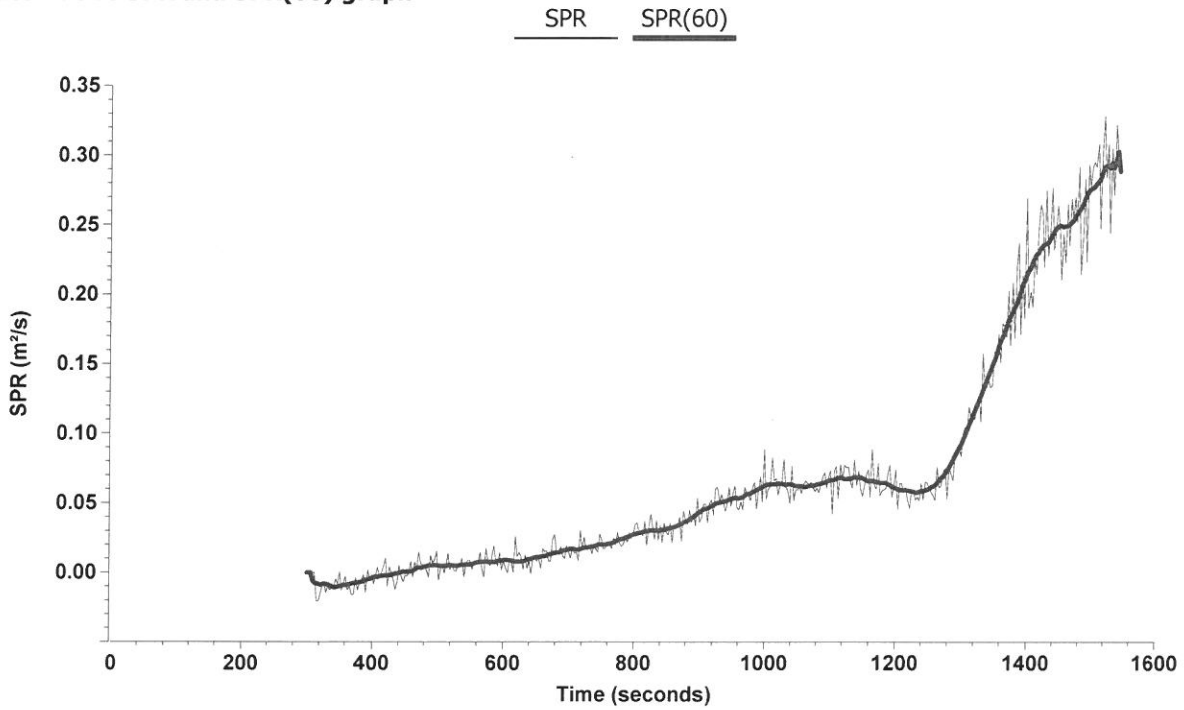


The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

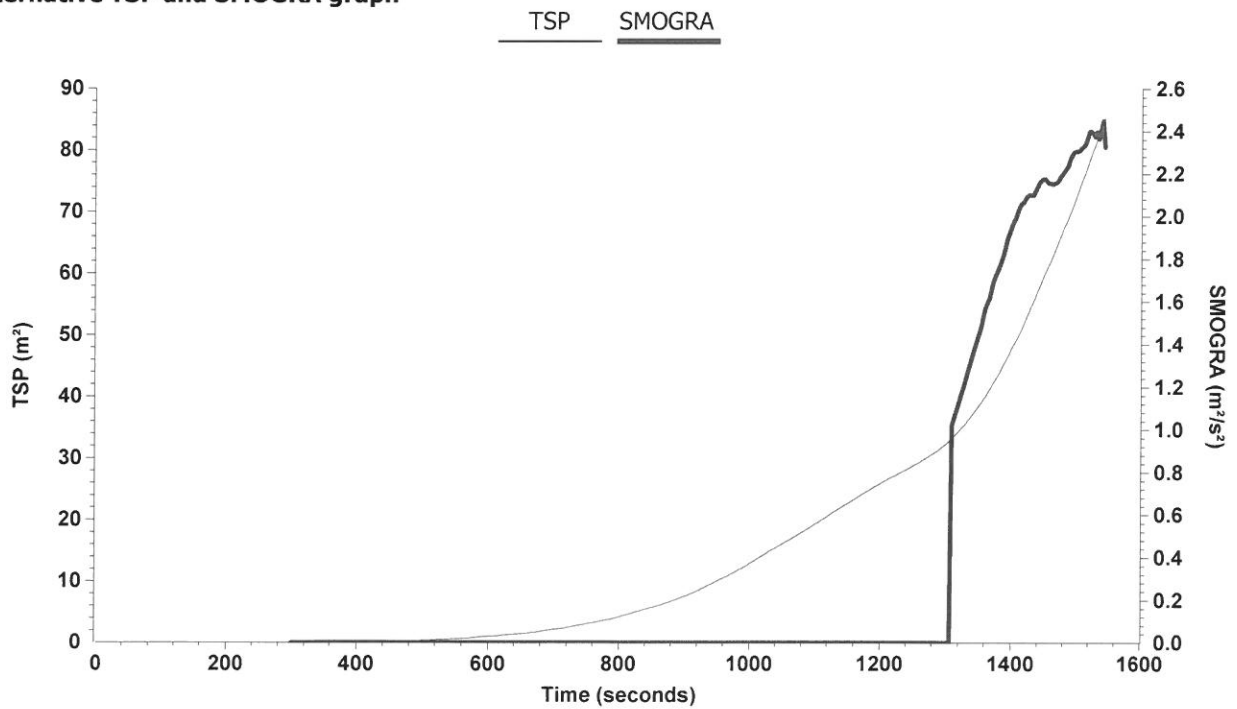
SBI Test Report

Laboratory name Rise
Operator Krister
Filename C:\SBICALC\Data\Projekt 2022\P111637.DP02\P111637a1.RW1
Report identification
Product identification Kolad Träpanel Yoroi

Alternative SPR and SPR(60) graph



Alternative TSP and SMOGRA graph



The test results relate to the behaviour of the test specimens 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 in use.