

## KEDECK Flooring Panel Single Specimen Report

Report Produced using Fire Testing Technology FRPSoft Software

Standard : EN ISO 9239-1:2002  
Laboratory : MeKA Testing laboratory  
Date of test : Oct. 13 2017

Specimen description : decking board with fire retardant 15%  
Test name : 2603-1  
File name : C:\FRPSOFT\DATA\2603\2603-1.CSV  
Test number in series : 1

Flux calibration file name : C:\FRPSOFT\CALIB\FLX17001.CSV

Thickness (mm) : 30  
Density (kg/m<sup>3</sup>) :

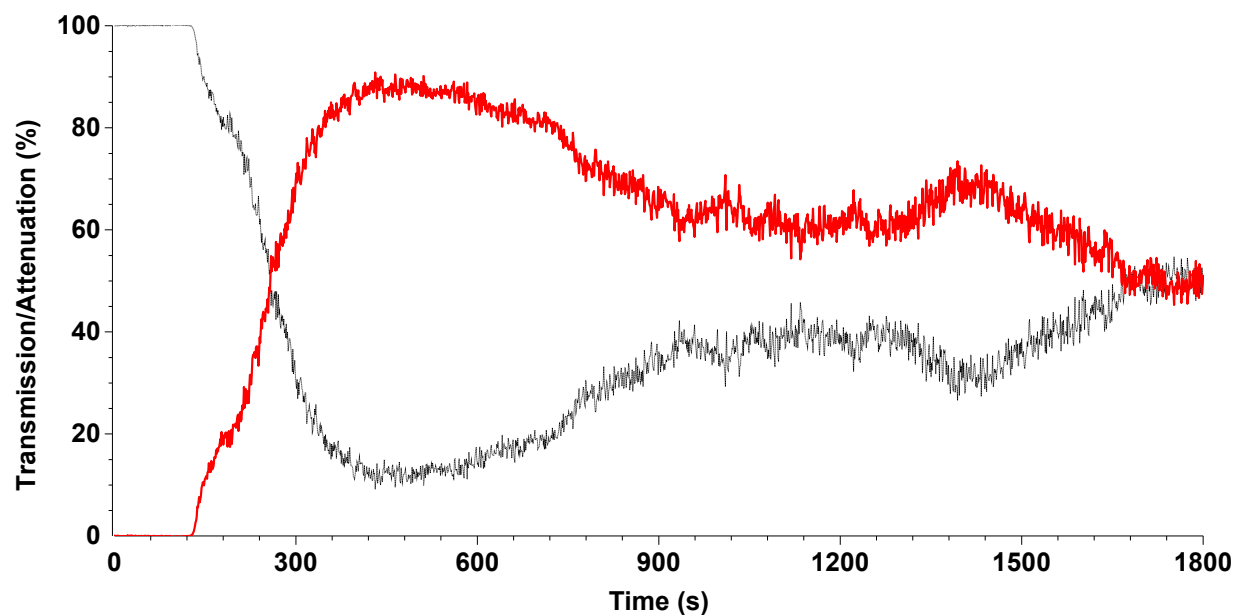
Test duration : 30 minutes (1800 s)  
Substrate used? : Yes  
Substrate : Fibre cement board  
Fixing method : none  
Conditioned? : Yes  
Conditioning temp. (°C) : 23  
Conditioning RH (%) : 50

### Test Results

Time to ignition : 2 minutes 07 seconds (127 s)  
Time to flameout : Not recorded  
Extent of burning (mm) : 760  
Critical flux at extinguishment (kW/m<sup>2</sup>) : N/A (no flameout)  
HF-10 (kW/m<sup>2</sup>) : 4.3  
HF-20 (kW/m<sup>2</sup>) : 2.42  
HF-30 (kW/m<sup>2</sup>) : 1.47  
Flame spread at 10 minutes (mm) : 450  
Flame spread at 20 minutes (mm) : 610  
Flame spread at 30 minutes (mm) : 760  
Peak light attenuation (%) : 90.85  
Time to peak light attenuation : 7 minutes 11 seconds (431 s)  
Total integrated smoke (%.min) : 1803.08

**Potential classification** : **E(fl)**  
**Smoke production classification** : **s2**

## Smoke Graph



Test name : 2603-1

File name : C:\FRPSOFT\DATA\2603\2603-1.CSV

## Rake Results

Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )	Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )
60	170	12.1	1.890	510	786	3.4	2.244
110	222	11.1	2.285	560	1013	2.9	2.453
160	265	10.3	2.477	610	1177	2.4	2.405
210	307	9.3	2.501	660	1364	2.0	2.350
260	347	8.1	2.430	710	1571	1.7	2.311
310	390	7.0	2.324	760	1786	1.5	2.286
360	439	6.0	2.193	810	-	1.3	-
410	532	5.0	2.198	860	-	1.1	-
460	642	4.1	2.188	910	-	1.0	-

## Comments

Specimen was extinguished manually after end of test.

These results relate only to the behaviour of the specimens of the 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.

## Tabulated Results

Time (s)	T (%)	Attenuation (%)	Time (s)	T (%)	Attenuation (%)
0	99.93	0.068			
30	100.1	-0.106	1230	37.23	62.768
60	100.2	-0.198	1260	40.34	59.665
90	100.2	-0.167	1290	39.54	60.464
120	100	-0.013	1320	35.28	64.72
150	88.69	11.306	1350	31.14	68.863
180	82.11	17.887	1380	29.8	70.198
210	77.15	22.846	1410	30.23	69.774
240	61.05	38.95	1440	31.25	68.755
270	42.8	57.197	1470	33.07	66.927
300	29.77	70.229	1500	38.69	61.314
330	21.83	78.166	1530	37.48	62.521
360	15.54	84.457	1560	39.7	60.299
390	15.11	84.894	1590	40.4	59.605
420	11.89	88.115	1620	45.17	54.826
450	13.16	86.845	1650	49.3	50.696
480	12.47	87.532	1680	50.33	49.672
510	13.71	86.29	1710	50.43	49.572
540	14.13	85.866	1740	51.69	48.315
570	15.15	84.849	1770	52.11	47.888
600	14.16	85.838	1800	49	50.997
630	16.15	83.853			
660	16.58	83.423			
690	18.36	81.637			
720	18.49	81.515			
750	23.48	76.524			
780	30.37	69.633			
810	29.77	70.226			
840	31.12	68.885			
870	29.98	70.019			
900	36.12	63.884			
930	34.68	65.317			
960	38.76	61.242			
990	36.14	63.857			
1020	35.52	64.477			
1050	39.84	60.163			
1080	34.67	65.33			
1110	37.13	62.871			
1140	41.83	58.167			
1170	41.86	58.136			
1200	39.36	60.64			

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