

# TECHNICAL REPORT



## Customer information:

HOEPKE  
Höpke Möbelstoff-Handels GmbH •  
Simonsgasse 19 - 21 • 96489  
Niederfüllbach

For the attention of Hilmar Carl

A - ikitelli Org. San. Böl. Mh.  
Eski Turgut Özal Cad. No:40  
34490 Basakşehir / İstanbul / Türkiye

## SAMPLE(S) FOR TEST:

OurRef: HPK 114125  
Test Date : 24/02/2023  
Test End Date : 27/02/2023  
Date: 02/03/2023

One, Composite – Ref: CALIMERA FR

*Note: The above descriptions are as supplied by the client and have not been verified by K-TEX LAB International who can take no responsibility for the accuracy of the description.*

### Conditioning

Prior to testing: At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of  $20\pm 5^{\circ}\text{C}$  and a relative humidity of  $50\pm 20\%$

At time of testing: Temperature of 15 to  $30^{\circ}\text{C}$  and a relative humidity of 20% to 70%

TEST	SAMPLE 1
FLAMMABILITY TEST - DIN 4102, part 1 (B1)	P

P = MEETS BUYER'S REQUIREMENT / F = DOES NOT MEET BUYER'S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE/ LS : LACK OF SAMPLE



Test Method	Results	Requirements
-------------	---------	--------------

**Order description :** Proof of flammability to classify building materials to class **B1** „schwerentflammbar“ according to DIN 4102, part 1 orientation test

**Preparation of samples:**

Out of the material there have been cut samples with the dimensions of 1000mm x 190mm to flame impingement for the ignitability apparatus.

The samples were kept in climate chamber 20 +/- 2 °C and 65 +/- 4 humidity until they reached constant weight.

**Arrangement of samples: freely suspended**

Sample A	flaming side A and B in length and cross direction	1 samples width side A					
		1 samples cross side A					
		1 samples width side B					
		1 samples cross side B					
		<b>Result with the tested specimen</b>					
		Dim.	A	B	C	D	E
<b>1- Number of specimen arrangement – acc. to. DIN 4102/T15, schedule 1</b>			1				
<b>2- Maximum flame height above bottom edge of the specimen</b>		Gm	50				
3- Time <sub>1)</sub>		min:s	0:15				
<b>4- Burn through / melting</b>							
Time <sub>1)</sub>		min:s	0:11				
<b>5- Observations on the back side of the specimen</b>							
Flames/Glowing							
Time <sub>1)</sub>		min:s	-				
<b>6- Change of color</b>							
Time <sub>1)</sub>		min:s	-				
<b>7- Falling of burning droplets</b>							
Start <sub>1)</sub>		min:s	no				
<b>Extent</b>							
8- Sporadic falling of burning droplets <sub>2)</sub>			-				
9- Continuous falling of burning droplets <sub>2)</sub>			-				
<b>Falling of burning droplets</b>							
10- Start <sub>1)</sub>			no				
11- Sporadic falling of burning droplets <sub>2)</sub>			-				
12- Continuous falling of burning droplets <sub>2)</sub>			-				
<b>13- Afterflame time at the bottom of the sieve (max.)</b>		min:s	-				
<b>Impairment of the burner by dropping or falling material:</b>							
14- Time <sub>1)</sub>		min:s	No				
<b>15- Premature end of test:</b>							
Final occurrence of burnig at the specimen <sub>1)</sub>		min:s	1:43				
16- Time of eventually end of test <sub>1)</sub>		min:s	-				

- 1) indication of times: from the begin of testing procedure
- 2) Checked off if applicable
- 3) Indication of carrier/foam layer seperated in case of fire-proofing agents
- 4) Very strong development of smoke



Test Method	Results	Requirements
-------------	---------	--------------

	Dim.	Result with the tested specimen				
		A	B	C	D	E
Afterflame after end of test		no				
17- Time	min:s	-				
18- Number of specimen		-				
19- Front side of specimen 2)		-				
20- Back side of specimen 2)		-				
21- Flame length	cm	-				
Afterglow after end of test		no				
22- Time	min:s	-				
23- Number of specimen		-				
Place of appearance		-				
24- Lower half of the specimen 2)		-				
25- Upper half of the specimen 2)		-				
26- Front side of specimen 2)		-				
27- Back side of specimen 2)		-				
Density of smoke 28 - $\frac{1}{100} \cdot 400 \cdot 0 \cdot \text{min}$		122,90				
29- $> 400\% \cdot \text{min}_4$ )		-				
30- Diagram: encl. No.		1				
Residual lengths:						
31-Individual value 3)	cm	54 62 55 66				
32- Average value, individual test 3)	cm	53				
33- Photo of specimen in enclosure no.		1				
34-Flue gas temperature						
35-Maximum of average value	°C	123,4				
Time 1)	min:s	9:26				
36-Diagram: encl. No.		1				
37-Remarks: -						

- 1) Indication of Limes: from the begin of testing procedure
- 2) Checked of if applicable
- 3) Indication of carrier/foam layer separated in case of fire-proofing agents
- 4) Very strong development of smoke

TEST	METHOD	RESULT
Fire behaviour of building materials and elements Part 1: Classification of building materials Requirements and testing	DIN 4102	PASS
		B1

