

KASTONE SDN BHD  
LOT 6492, JALAN HAJI ABDUL MANAN OFF JALAN MERU, 41050 KLANG SELANGOR..

Sample Description : ARCHISTRA WALL PANEL

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SGS Ref No. : 2024-03-05-011(CB46506)  
Sample Receiving Date : Mar.11, 2024  
Test Performing Date : Mar.11, 2024 to Mar.28, 2024

### Test Result Summary

Test(s) Requested	Result(s)
DIN 4102-1:1998-05	The sample tested meets the requirements of class B1 of DIN 4102-1:1998-05 Clause 6.

#### Summary:

1. For further details, please refer to the following page(s).

Signed for and on behalf of  
Shunde Branch  
SGS-CSTC Co., Ltd.

Scan to see the report



SDFS2403001434FF  
Verification:  
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Daniel Guan  
Approved signatory



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1-2/F, Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300

t (86-757) 22805888 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300

t (86-757) 22805888 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

**TESTS AND RESULTS**

**Test Conducted:**

These tests are conducted in DIN 4102-1:1998-05 Clause 6 Class B building materials according to the application.

**Conditioning:**

Temperature: (23±2)°C; Relative Humidity: (50±6)%; Duration: 2 weeks;

**Test Requirement:**

All materials, except flooring, may be classed as B1 materials if they  
 – withstand the test specified in DIN 4102-16 using the 'Brandschacht' apparatus specified in DIN 4102-15, and  
 – meet the requirements for class B2 materials.

The test using the 'Brandschacht' apparatus described in DIN 4102-15 (cf. subclause 6.1.3.1) shall be deemed passed if

- the mean value for the residual length (portion of specimen that has not burned or charred; cf. subclause 9.1 of DIN 4102-16) of each specimen is at least 15 cm and no individual values are lower than 0 cm,
- the mean effluent temperature does not exceed 200 °C in any test,
- the requirement for the residual length of each specimen is met even where there is afterflame, afterglow, or smouldering.

**Test Results:**

1.DIN 4102-1 B2 Test Result

Parameter	Results									
	Bottom edge ignition					Surface ignition				
	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Specimen ignition (Yes/No)	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*
Ignition ceased time(s)	-	-	-	-	-	-	-	-	-	-
If flame tip reached 150mm line/40,190mm line(Yes/No)	No	No	No	No	No	No	No	No	No	No
Ignition time to reached 150mm line/40,190mm line(s)	-	-	-	-	-	-	-	-	-	-
Filter paper ignition (Yes/No)	No	No	No	No	No	No	No	No	No	No
Smoke developments	Slight smoke					Slight smoke				

Remark: \*--The specimen was ignited but self-extinguished after removed the burner.

**Class B2 Test requirement:**

This test shall be deemed passed if, for any of the five specimens tested, flaming does not reach the gauge mark within 20 seconds after flame application, either with bottom edge ignition or surface ignition.

**Sub-conclusion:** Pass



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 中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757) 22805888 sgs.china@sgs.com

### 2.Additional DIN4102-16 Test Result

Group 1:

Parameter	Results				
	#1	#2	#3	#4	Average value
Remaining length (cm)	50	49	58	57	54
Max. flue gas temperature (°C)	92				
After flame / after glow (s)	0				
Other observation	Charring				

Remark: According to DIN 4102-16 Clause 5.2, if the residual length measured after the first test is 45cm or greater, further tests are not required.

**Sub-conclusion:** Pass

### Conclusions:

The sample tested meets the requirements of class B1 of DIN 4102-1:1998-05 Clause 6.

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### SAMPLE INFORMATION AND PICTURES

Density: 82kg/m<sup>2</sup>

Thickness: 102mm

Tested surface: Smooth surface

Remark: The sample cutting thickness is 60mm.



Sample face



Sample back

\*\*\*End of Report\*\*\*



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