

Test Report

Report No. TC.24.04.001261

Date of Issue 04/23/2024

Applicant: Jinsi Group Holding Co., Ltd.

Description of the test subject:

Sample	Description	Photo
001	Sample Description: Woven Minimatt P/D B-1 Style No.: B-1(A3060) Manufacturer: JINSI GROUP HOLDING CO., LTD. Material: 100% Polyester Country of origin: CHINA	

Receipt Date of Sample: 04/08/2024

Date of Testing: From 04/08/2024 to 04/23/2024

Sample Submitted: The sample(s) was (were) submitted by applicant and identified.

Conclusion:

Test Items			Result
No.	Items	Standard	
1	Small flame test	DIN 4102-1:1998 B1	Pass
	Vertical furnace combustion test		

Note: (1) The TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd. General Terms & Conditions applied, for full content please visit <https://www.tuvsud.cn/zh-cn/terms-and-conditions>. (2) The results relate only to the sample(s) as received. (3) The test report shall not be reproduced except in full without the written approval of the company.

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Test Results

1. DIN 4102-1:1998 Fire behaviour of building materials and elements Part 1: Classification of building materials requirements and testing-B1

B1 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.

B2 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.

Test method:

1.1 DIN 53438: Response to ignition by a small flame

1.1.1 Sample details

Sample size	Edge ignition: 5 pieces	90mm*190mm
	Surface ignition: 5 pieces	90mm*230mm

Conditioning	Temperature	Relative humidity	Duration
	(23±2)°C	(50±5)% R.H.	336h

1.1.2 Test result

Test item	No.	Whether flaming reach the gauge mark within 20 seconds after flame application (Yes/No)
Edge ignition	1	No
	2	No
	3	No
	4	No
	5	No
Surface ignition	1	No
	2	No
	3	No
	4	No
	5	No

Conclusion: According to the test results, the submitted sample **meets** the requirements of DIN 4102-1 B2 requirement.

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1.2 DIN 4102-16 Fire behaviour of building materials and elements – ‘Brandschacht’ tests

Parameter	Test result	Requirement
The minimum remaining length of burning (mm)	650	>0
The average remaining length of burning (mm)	680	≥150
The maximum average flue gas temperature peaks (°C)	141	≤ 200

Conclusion: According to the test results, the submitted sample **meets** the requirements of DIN 4102-16 requirement.

Statement: 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 smoke and toxicity hazard of the product in use. Test results are just for internal reference.

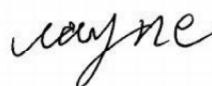
TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd.

Drafted by:



Jinqiang Zhou

Approved by:



Wayne Wang

-End of Report-

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