



Test Report

No. VNHL2602004406HG

Date: March 09, 2026

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CONG TY TNHH TECHNO COATINGS INDUSTRY

SO 12 VSIP II-A, DUONG HOA BINH, KHU CONG NGHIEP VIETNAM - SINGAPORE II-A, PHUONG VINH TAN, THANH PHO HO CHI MINH, VIETNAM

The following sample(s) was/were submitted and identified by the client as:

SGS Job No. : VNHL2602004406HG
 Sample Description : STP BOARD
 Color : BLUE HULK
 Characteristic : COATINGS ON RESIN SUBSTRATE
 Date of Production : SEP 2025
 Manufacturer : TECHNO COATINGS INDUSTRY CO., LTD.
 Country of Origin : VIETNAM
 Country of Destination : GLOBAL

As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

Sample Receiving Date : FEBRUARY 11, 2026
 Final Confirmed Date : FEBRUARY 11, 2026
 Testing Period : FEBRUARY 11, 2026 TO MARCH 09, 2026
 Test Requested : PLEASE REFER TO THE RESULT SUMMARY.
 Test Results : PLEASE REFER TO NEXT PAGE(S).
 Results summary

Test Requested	Conclusion
EN 13501-1:2018 Fire classification of construction products and building elements— Part 1: Classification using data from reaction to fire tests.	See result

Signed for and on behalf of
SGS Vietnam LTD



Ung Thanh Van
Hardline SBU Manager

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Test Result(s):

EN 13501-1:2018 Fire classification of construction products and building elements—Part 1: Classification using data from reaction to fire tests.

I. Test conducted

This test is conducted as per EN 13501-1:2018 Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests. And the test methods as following:

1. EN 13823:2020+A1:2022 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item.
2. EN ISO 11925-2:2020 Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test.

II. Details of classified product

a) Nature and end use application

The product “STP BOARD” is defined as a decorative sheet. Its classification is valid for the following end use application: wall for vertical application.

b) Description

Description	STP BOARD
Color	Blue
Sample size	EN 13823: 1500mm×1000mm & 1500mm×495mm EN ISO 11925-2: 250mm×90mm
Thickness	5.0mm
Mass per unit area	5.8 kg/m ²
Tested (Exposed) surface	Marked surface (see the photo)

Mounting and fixing:

Calcium silicate board, with its density approximate 900kg/m³, thickness approximate 9mm, is as the substrate. The test specimens are fixed mechanically to the substrate. No joint in the long wing of the specimens.

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III. Test results

Test method	Parameter	Number of tests	Results
EN 13823	FIGRA _{0.2MJ} (W/s)	3	233.0
	FIGRA _{0.4MJ} (W/s)		233.0
	Whether lateral flame spread (LFS) to the edge of specimen (Yes/No)		No
	THR _{600s} (MJ)		30.9
	SMOGRA (m ² /s ²)		23.6
	TSP _{600s} (m ²)		278.2
	Flaming particles or droplets (Yes/No)		No
EN ISO 11925-2 Exposure = 30 s	Whether vertical flame spread (Fs) in excess of 150 mm within 60s (Yes/No)	12	No
	Ignition of the filter paper (Yes/No)		No

IV. Classification and field of application
a) Reference of classification

This classification has been carried out in accordance with **EN 13501-1:2018**.

b) Classification

The product, STP BOARD, in relation to its reaction to fire behaviour is classified:

Fire behaviour		Smoke production			Flaming droplets	
D	—	s	3	,	d	0

Reaction to fire classification: D—s3, d0

Remark: The classes with their corresponding fire performance are given in annex A.

c) Field of application

This classification is valid for the following end use applications:

- With all substrates classified as A1 or A2-s1, d0
- With mechanically fixing
- No joint

This classification is valid for the following product parameters:

- Characteristics as described in section II b) of this test reports.

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Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

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.

Warning:

This classification report does not represent type approval or certification of the product.

Annex A
Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products

Class	Test method(s)	Classification criteria	Additional classification
A1	EN ISO 1182 ^a and	$\Delta T \leq 30^\circ\text{C}$, and $\Delta m \leq 50\%$, and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	$PCS \leq 2.0\text{MJ/kg}$ ^a and $PCS \leq 2.0\text{MJ/kg}$ ^{b,c} and $PCS \leq 1.4\text{MJ/m}^2$ ^d and $PCS \leq 2.0\text{MJ/kg}$ ^e	-
A2	EN ISO 1182 ^a or	$\Delta T \leq 50^\circ\text{C}$, and $\Delta m \leq 50\%$, and $t_f \leq 20\text{ s}$	-
	EN ISO 1716 and	$PCS \leq 3.0\text{MJ/kg}$ ^a and $PCS \leq 4.0\text{MJ/m}^2$ ^b and $PCS \leq 4.0\text{MJ/m}^2$ ^d and $PCS \leq 3.0\text{MJ/kg}$ ^e	-
	EN 13823	$FIGRA_{0.2\text{MJ}} \leq 120\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600\text{s}} \leq 7.5\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g
B	EN 13823 and	$FIGRA_{0.2\text{MJ}} \leq 120\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600\text{s}} \leq 7.5\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure = 30s	$F_s \leq 150\text{mm}$ within 60s	
C	EN 13823 and	$FIGR_{0.4\text{MJ}} A \leq 250\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600\text{s}} \leq 15\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure = 30s	$F_s \leq 150\text{mm}$ within 60 s	
D	EN 13823 and	$FIGRA_{0.4\text{MJ}} \leq 750\text{W/s}$	Smoke production ^f and

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Class	Test method(s)	Classification criteria	Additional classification
	EN ISO 11925-2 ⁱ Exposure=30s	$F_s \leq 150\text{mm}$ within 60 s	Flaming droplets/particles ^g
E	EN ISO 11925-2 ⁱ Exposure =15s	$F_s \leq 150\text{mm}$ within 20 s	flaming droplets/particles ^h
F	EN ISO 11925-2 ⁱ Exposure = 15 s	$F_s > 150\text{mm}$ within 20 s	

- a For homogeneous products and substantial components of non-homogeneous products.
- b For any external non-substantial component of non-homogeneous products.
- c Alternatively, any external non-substantial component having a PCS $\leq 2,0$ MJ/m², provided that the product satisfies the following criteria of EN 13823: FIGRA ≤ 20 W/s, and LFS < edge of specimen, and THR600s $\leq 4,0$ MJ, and s1, and d0.
- d For any internal non-substantial component of non-homogeneous products.
- e For the product as a whole.
- f s1 = SMOGRA $\leq 30\text{m}^2/\text{s}^2$ and TSP600s $\leq 50\text{m}^2$; s2 = SMOGRA $\leq 180\text{m}^2/\text{s}^2$ and TSP600s $\leq 200\text{m}^2$; s3 = not s1 or s2
- g d0 = No flaming droplets/ particles in EN 13823 within 600 s;
d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s;
d2 = not d0 or d1.
Ignition of the paper in EN ISO 11925-2 results in a d2 classification.
- h Pass = no ignition of the paper (no classification);
Fail = ignition of the paper (d2 classification).
- i Under conditions of surface flame attack and, if appropriate to the end–use application of the product, edge flame attack.

Sample description:

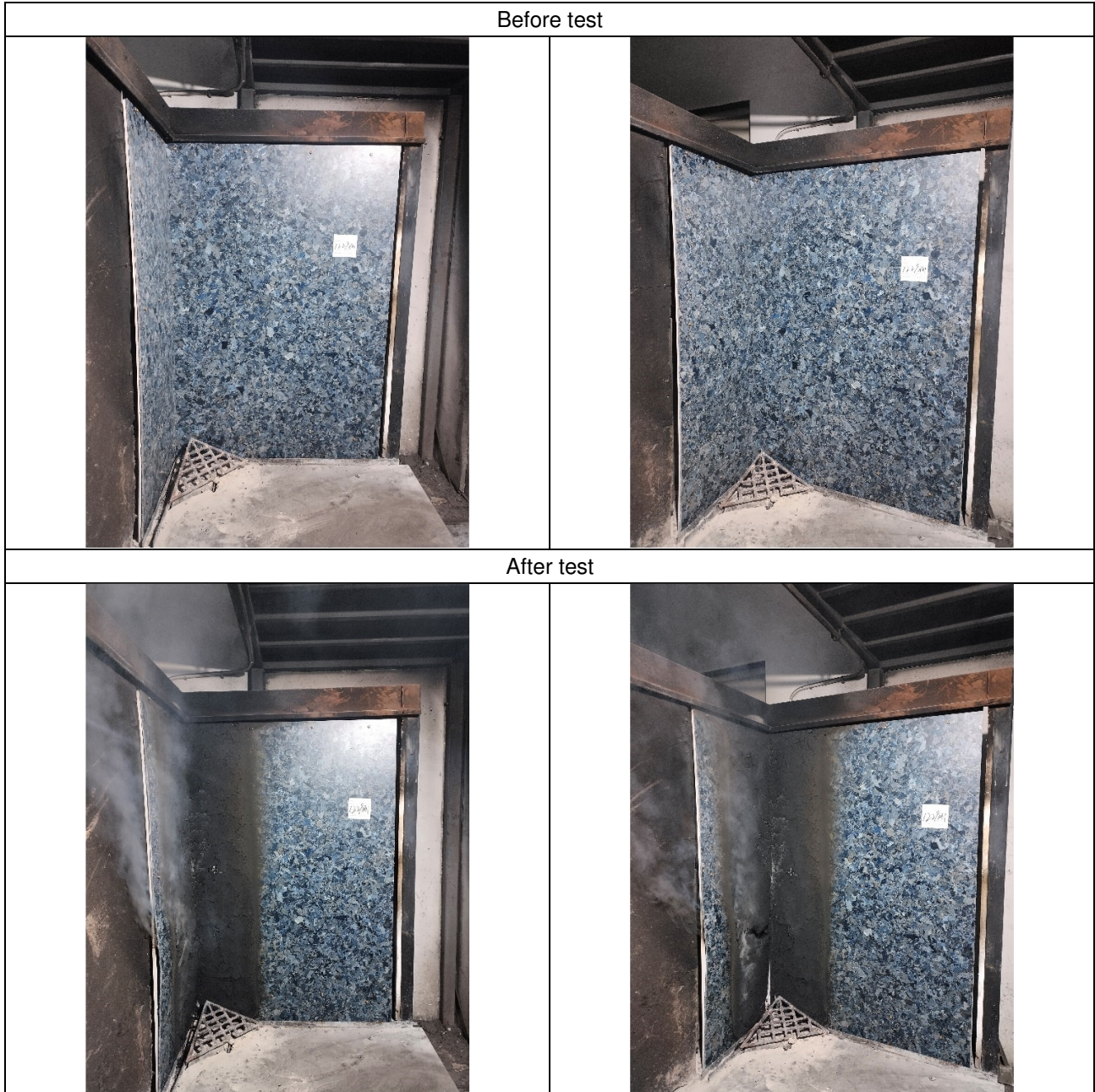
1. STP BOARD

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PHOTO OF SUBMITTED SAMPLE FOR TESTING



REPORT RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
*** End of Report ***

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