GUANGDONG RELANG NEW MATERIAL TECHNOLOGY CO., LTD
NO.13 HUALIAN ROAD THREE GAOLAN PORT FINE CHEMICHAL INDUSTRY PARK, ZHUHAI CITY,GUANGDONG PROVINCE,CHINA

Sample Descriptions	:	DURASEIN PURE ACRYLIC SOLID SURFACE SHEET
Supplier	:	GUANGDONG RELANG NEW MATERIAL TECHNOLOGY CO.,LTD
Manufacturer	:	GUANGDONG RELANG NEW MATERIAL TECHNOLOGY CO.,LTD

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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Sample Receiving Date	:	Jan 27, 2026
Test Performing Date	:	Jan 27, 2026 to Feb 12, 2026
Testing Period	:	Jan 27,2026 to Feb 11,2026
Test Required	:	EN 13501-1:2018 Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests.
Test result(s)	:	See attached sheet

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Arthur Mak
Authorized Signatory

Scan to see the report
GZHL260100395901PL
Verification:
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***** SGS Ref No.: SDFTS26000689R01_ENL*****
The below tests were conducted by SGS-CSTC Standards Technical Services Co.,Ltd. Shunde Branch

I. Test conducted

This test was 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

Sample Description	Board
Thickness	12 mm
Bulk Density	1840 kg/m^3

Mounting and fixing:

Specimen was free standing and had no substrate and with no ventilated cavity and tested at a distance of at least 80 mm from the backing board. The specimen had no joints.

III. Test results

Test methods	Parameter	Number of tests	Results
EN 13823	$FIGRA_{0.2MJ}$ (W/s)	3	34.6
	$FIGRA_{0.4MJ}$ (W/s)		34.6
	Whether lateral flame spread (LFS) to the edge of specimen (Yes/No)		No
	THR_{600s} (MJ)		4.2
	$SMOGRA$ (m^2/s^2)		0.9
	TSP_{600s} (m^2)		23.7
	Flaming particles or droplets (Yes/No)		No
EN ISO 11925-2 Exposure = 30 s	Fs≤150mm within 60 s (Yes/No)	12	Yes
	Ignition of the filter paper (Yes/No)		No

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Note:

$FIGRA_{0.2MJ}$ - Fire growth rate index at *THR* threshold of 0,2 MJ [W/s]

$FIGRA_{0.4MJ}$ - Fire growth rate index at *THR* threshold of 0,4 MJ [W/s]

THR_{600s} -Total heat release within 600 s [MJ]

SMOGRA - Smoke growth rate [m^2/s^2]

TSP_{600s}- Total smoke production within 600 s [m^2]

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, DURASEIN PURE ACRYLIC SOLID SURFACE SHEET (as described by the sponsor), in relation to its reaction to fire behaviour is classified:

Fire behaviour		Smoke production			Flaming droplets	
B	—	s	1	,	d	0

Reaction to fire classification: B—s1, 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 product parameters:

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

This classification is valid for the following end use applications:

--- Without any substrates

--- Free standing

--- No joint

Limitations

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

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Warning:

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

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.

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
B	EN 13823 and	$FIGRA_{0.2MJ} \leq 120$ W/s and $LFS <$ edge of specimen and $THR_{600s} \leq 7.5$ MJ	Smoke production [f] and Flaming droplets/particles [g]
	EN ISO 11925-2 [i] Exposure =30s	$Fs \leq 150$ mm within 60 s	
C	EN 13823 and	$FIGRA_{0.4MJ} \leq 250$ W/s and $LFS <$ edge of specimen and $THR_{600s} \leq 15$ MJ	Smoke production [f] and Flaming droplets/particles [g]
	EN ISO 11925-2 [i] Exposure=30s	$Fs \leq 150$ mm within 60 s	
D	EN 13823 and	$FIGRA_{0.4MJ} \leq 750$ W/s	Smoke production [f] and Flaming droplets/particles [g]
	EN ISO 11925-2 [i] Exposure=30s	$Fs \leq 150$ mm within 60 s	
E	EN ISO 11925-2 [i] Exposure =15s	$Fs \leq 150$ mm within 20 s	flaming droplets/particles [h]
F	EN ISO 11925-2 [i] Exposure = 15 s	$Fs >$ 150 mm within 20 s	

[f] s1 = $SMOGRA \leq 30 m^2/s^2$ and $TSP_{600s} \leq 50 m^2$; s2 = $SMOGRA \leq 180 m^2/s^2$ and $TSP_{600s} \leq 200 m^2$; 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;

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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.

Photo Appendix:



Before test



After test

End of Report

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