Districomposite

TEST REPORT

SCOPE OF WORK
FRP COVER GRATINGS

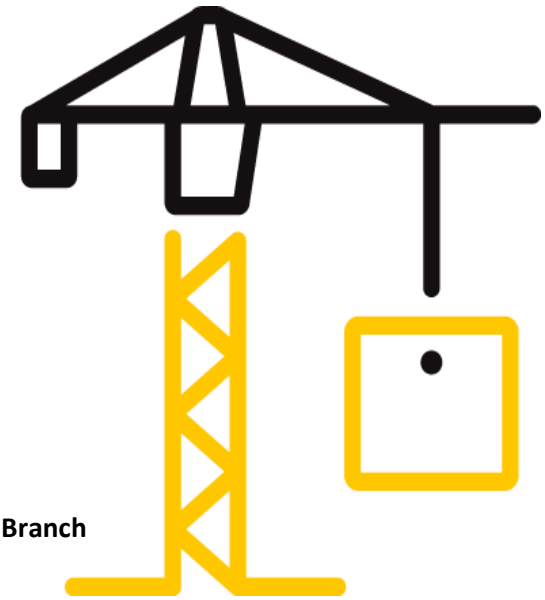
REPORT NUMBER
240816011SHF-001

TEST DATE(S)
2024-05-16 - 2024-06-04

ORIGINAL ISSUE DATE
2024-08-19

PAGES
7

DOCUMENT CONTROL NUMBER
LFT-APAC-SHF-OP-10k(February 1, 2024)



Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch

Test Report

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch
Plant 5, No. 6958 Daye Road, Fengxian District, Shanghai, China
Tel: +86 21-61136116 Fax: 021-61189921
Website: www.intertek.com

Test Report

Original Issue Date: 2024-08-19 Intertek Report No. 240816011SHF-001

Applicant: Districomposite

Address: 19 bis route du cap 76310 Sainte-adresse 76310 France

Attn: Hainneville Charles

Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	Model	Specification
FRP COVER GRATINGS	38*38*25+3mm	/
Sample ID	**Sample Amount**	**Sample Received Date**
S240516017SHF.001~002	1 box	2024-05-23
Sample Description		
Thickness 25mm, see sample photo in Appendix A		

Test Methods And Standards

Test Standard	EN ISO 9239-1:2010 and EN ISO 11925-2:2020
Specification Standard	EN 13501-1:2018
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1.This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

2.The results were copied from Intertek Report No.240516017SHF-001.

Report Authorized

INTERTEK TESTING SERVICES SHENZHEN LTD. SHANGHAI FENGXIAN BRANCH 检验检测专用章

Sally Xie Stone. Shi

Name: Sally Xie Name: Stone Shi

Title: Reviewer Title: Project Engineer

Test Report

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Test Items, Method and Results：

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

1.1 CRITICAL HEAT FLUX TEST

The test was conducted in accordance with EN ISO 9239-1:2010. This test evaluates the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a heat flux radiant gradient in a test chamber, when ignited with pilot flames.

1.2 IGNITABILITY TEST

The test was conducted in accordance with EN ISO 11925-2:2020. This test evaluates the ignitability of a product under exposure to a small flame.

1.3 CLASSIFICATION CRITERIA

The classification was determined in accordance with EN 13501-1:2018. The class B_{fl} with its corresponding fire performance is given in the table below.

Table - Classes of reaction to fire performance for flooring.

Class	Test Method(s)	Classification criteria	Additional classifications
B_{fl}	EN ISO 9239-1 [a] and	Critical flux [b] ≥ 8.0 kW/m^2	Smoke production [c]
	EN ISO 11925-2 [d] Exposure = 15 s	F_S ≤ 150 mm within 20 s	-

Note:

a. Test duration = 30 min.

b. Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame within 30 min).

c. s1 = Smoke ≤ 750 % minutes; s2 = not s1.

d. Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.

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Test Items, Method and Results：

2 RESULTS AND OBSERATIONS

Method	Parameter	Result
EN ISO 9239-1:2010	Critical flux (transverse), kW/m^2	⩾11
	Critical flux (longitudinal), kW/m^2	⩾11
	Smoke production, % minutes	22
EN ISO 11925-2:2020 Exposure = 15 s	$F_S \leq 150$ mm within 20 s	Yes

3 CLASSIFICATION

The classification has been carried out in accordance with EN 13501-1.

Fire behaviour		Smoke production	
B_{fl}	-	s	*1*

Reaction to fire classification: B_{fl}-*s1*

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Test Items, Method and Results：

4 Test Photos of EN ISO 9239-1

Before test

After test

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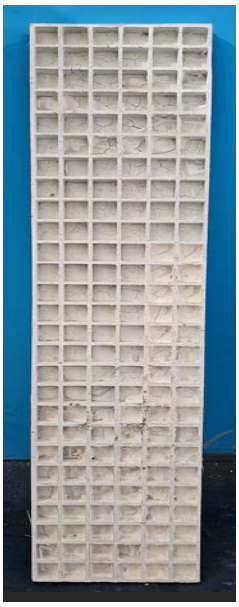
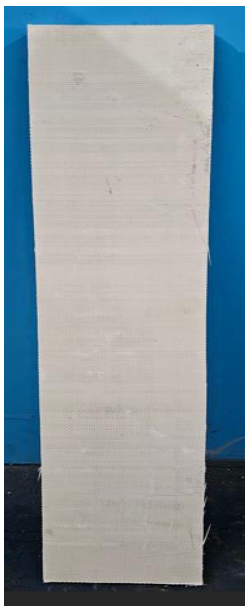
Appendix A: Sample Received Photo



Front view (test side)



Back view

Revision:

NO.	Date	Changes
240816011SHF-001	2024-08-19	First issue