

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

Sample Description : LEATHER WALL PANEL

Sample Receiving Date : Jan.14, 2014

Test Performing Date : Jan.14, 2014 to Feb.18, 2014

Test Result(s) : For further details, please refer to the following page(s)

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	EN 13501-1:2007+A1:2009	Classification: D - s2, d0	/

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

Test Report

No. SDHG1402001731FB-01

Date: Feb.24, 2014

Page 2 of 6

I. Test conducted

This test is conducted as per EN 13501-1:2007+A1:2009 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 13823:2010 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item.
2. EN ISO 11925-2:2010 Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame — Part 2: Single-flame source test.

II. Details of classified product

Description

Sample Name: (Provided by the client)	Leather wall panel
Color:	White

Mounting and fixing:

The sample was fixed on the standard substrate (calcium silicate boards with a density of 900kg/m³) by Rubstik, free standing at a distance of at least 80 mm from the backing board.

III. Test results

Test method	Parameter	Number of tests	Results
EN 13823	FIGRA (W/s)	3	587.7
	LFS < edge of specimen		Yes
	THR _{600s} (MJ)		22.6
	SMOGRA (m ² /s ²)		14.2
	TSP _{600s} (m ²)		84.4
	Flaming particles or droplets		No
EN ISO 11925-2 Exposure = 30 s	F _s ≤ 150 mm	6	Yes
	Ignition of the filter paper		No

Remark:

FIGRA — Fire growth rate index used for classification purposes [W/s]

LFS — Lateral flame spread [m]

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

SMOGRA — Smoke growth rate [m²/s²]

TSP_{600s} — Total smoke production within 600 s [m²]

To be continued...

IV. Classification and direct field of application

This classification has been carried out in accordance with **EN 13501-1:2007+A1:2009**.

Classification

The product, "LEATHER WALL PANEL", classification is as following,

Fire behaviour		Smoke production			Flaming droplets	
D	—	s	2	,	d	0

Reaction to fire classification: D—s2, d0

Remark:

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

Reaction to fire classification is based on the 7-step scale of A1 to F, where A1 is good and F is bad.

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 fire hazard of the product in use.

Warning:

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

The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

To be continued...

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	and $\Delta T \leq 50^\circ\text{C}$, and $\Delta m \leq 50\%$, and $t_f \leq 20\text{ s}$	-
	EN ISO 1716		-
	EN 13823	$FIGRA \leq 120\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g
B	EN 13823 and	$FIGRA \leq 120\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5\text{MJ}$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure = 30s	$F_s \leq 150\text{mm}$ within 60 s	
C	EN 13823 and	$FIGRA \leq 250\text{W/s}$ and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 15\text{MJ}$	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	$FIGRA \leq 750\text{W/s}$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ⁱ Exposure = 30s	$F_s \leq 150\text{mm}$ within 60 s	
E	EN ISO 11925-2 ⁱ Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	flaming droplets/particles ^h
F	No performance determined		

To be continued...



Before Testing



After Testing

Remark: This test report is to supersede test report number SDHG1402001731FB.

End of Report