

The Building Test Centre

Fire Acoustics Structures

The Building Test Centre
British Gypsum
East Leake
Loughborough
Leics. LE12 6NP
Tel (0115) 945 1564
Fax (0115) 945 1562
E-mail btc.testing@saint-gobain.com

Notified body no. 1575

Report Number **BTC 17494FC**

CLASSIFICATION OF REACTION TO
FIRE PERFORMANCE FOR SOUNDTECT
PANELS, IN ACCORDANCE WITH
BS EN 13501-1:2007+A1:2009.

Report Date: 19th January 2012

www.btconline.co.uk

Customer: **Soundtect**
Fairtech Holdings Plc.
22/F 3 Lockhart Road
Wanchai
Hong Kong

Customer: **Soundtect**

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No. 0296

INTRODUCTION

This classification report defines the classification assigned to Soundtect Panels in accordance with the procedures given in BS EN 13501-1:2007+A1:2009.

DESCRIPTION

Soundtect Panels are manufactured as an acoustic fabric and are made from 100% polyester.

Full descriptions of the materials in support of this classification can be found in the test reports listed below.

TEST REPORTS IN SUPPORT OF THIS CLASSIFICATION

Name of Laboratory	Name of Sponsor	Test Report Number	Test Method
The Building Test Centre	Soundtect	BTC 17492F	EN 13823:2010 Single Burning Item
The Building Test Centre	Soundtect	BTC 17685F	EN ISO 11925-2 Small Flame Attack

TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

Test method	Parameter for B Classification	Number of tests	Results	
			Continuous Parameter Mean	Compliance with Parameters
EN 13823:2010 Single Burning Item	FIGRA $\leq 120W/s$ LFS < edge of specimen THR _{600s} $\leq 7.5MJ$	3	49.94 W/s Y 0.80 MJ	Compliant
	SMOGRA (s1) $\leq 30m^2/s^2$ TSP _{600s} (s1) $\leq 50m^2$		0.87 m ² /s ² 28.31 m ²	Compliant
	Flaming droplets/particles		N	Compliant
EN ISO 11925-2 Small Flame Attack	F _s $\leq 150mm$ within 60s	6	N	Compliant
	Ignition of the filter paper		N	Compliant

CLASSIFICATION

This classification has been carried out in accordance with Clause 11 of BS EN 13501-1:2007+A1:2009.

For the products tested the reaction to fire classification achieved is B.

The additional classification in relation to smoke production is s1

The additional classification in relation to flaming droplets/particles is d0

The format of the reaction to fire classification for construction products excluding floorings is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	1	,	d	0

i.e. : **B-s1,d0**

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FIELD OF APPLICATION

This classification is only valid for 5mm thick Soundtect Panels when mounted on a substrate which achieves A2 – s1, d0 classification or greater.

LIMITATIONS

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

REPORT AUTHORISATION

Report	Name	Signature	Date
Prepared By	Mark Shortland BSc. (Hons.), Technologist		03/02/2012
Authorised By	Paul Miller BSc. (Hons.), Fire Test Manager		03/02/2012

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