

classification report

Bodycote

Title

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2007

Notified Body No:

0833

Product Name:

Glasbord PWI-P

Report No:

176074

Issue No:

1

Prepared for:

Crane Composites
23525
West Eames Street (Rt6)
Channahon
Illinois
60410

Date:

8th October 2008



T E S T I N G

1. Introduction

This classification report defines the classification assigned to, 'Glasbord PWI-P', a glass reinforced plastic (GRP) sheet, in line with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, 'Glasbord PWI-P', a glass reinforced plastic (GRP) sheet is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, 'Glasbord PWI-P', is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		A glass reinforced plastic (GRP) sheet having one embossed (test face) and one smooth (reverse face), bonded to a paper faced plasterboard substrate utilising Synthetic Elastomeric Polymeric Adhesive.	
Overall thickness of composite		15.4mm (determined by Bodycote warringtonfire)	
Overall weight per unit of composite		14.64kg/m ² (determined by Bodycote warringtonfire)	
GRP Sheet	Product reference	"Glasbord PWI-P"	
	Name of manufacturer	See Note 1 Below	
	Colour reference	White	
	Overall thickness	2.3mm	
	Overall weight per unit area	3.1kg/m ²	
	Embossment pattern reference	"Cracked Ice"	
	Resin	Product reference	"Thermoset resin"
		Generic type	General purpose polyester resin
		Composition details	See Note 1 Below
		Name of manufacturer	See Note 1 Below
		Flame retardant details	See Note 2 Below
	Glass reinforcement	Product reference	See Note 1 Below
		Generic Type	Randomly dispersed chopped glass
		Composition details	
		Weight per unit area	0.47 kg/m ²
		Name of manufacturer	See Note 1 Below
Percentage glass reinforcement (by weight)		15%	
Resin to glass ratio (by weight)		1.9 to 1	

	Brief description of manufacturing process	The product is manufactured continuously. The liquid resin and chopped fibreglass is cast between an embossed film and a smooth film. The resin and glass goes through a series of heated ovens that cures the liquid resin creating the finished panel.
Adhesive	Product reference	See Note 1 Below
	Generic type	Synthetic elastomeric polymer (medium-viscosity mastic)
	Name of manufacturer	See Note 1 Below
	Application rate	"Spot" applied at regular intervals over the surface of the substrate
	Application method	Mastic gun
	Flame retardant details	See Note 3 Below
Substrate	Product reference	"Gyproc Soundbloc"
	Generic type	Paper faced plasterboard
	Name of manufacturer	British Gypsum
	Thickness	12.5mm
	Density	840kg/m ³
	Flame retardant details	The supplier was unable to provide Bodycote warringtonfire with these details

Note 1: The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.

Note 2: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

Note3: The sponsor was unable to provide this information.

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Bodycote warringtonfire	Crane Composites	WF 175032	EN ISO 11925-2

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN ISO 11925-2 (15s exposure – surface)	F _s	6	0	Compliant
	Flaming droplets/particles		None	Compliant
EN ISO 11925-2 (15s exposure – edge)	F _s	6	26.6	Compliant
	Flaming droplets/particles		None	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007

4.2 Classification

The product, 'Glasbord PWI-P', a glass reinforced plastic (GRP) sheet, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: E

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications used over any substrate with a density equal to or greater than 840Kg/m³, having a minimum thickness of 12.5mm and a fire performance of A2 or better.
- ii) Installed utilising a synthetic elastomeric polymer adhesive in accordance with manufacturers' instructions.

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product density	No variation allowed
Product colour	No variation allowed
Product facing	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

5. Limitations

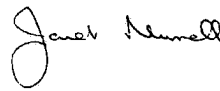
This document does not represent type approval or certification of the product

SIGNED



.....
Simon Ince
Technical Officer
Technical Department

APPROVED



.....
Janet Murrell
Technical Manager
Technical Department
on behalf of:
Bodycote warringtonfire

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