

DATA SHEET for:

Porcher fibreglass FR (See 'n Safe 220 S or W)

PROPERTY	TEST METHOD	RESULT
Fire Retardancy	BS476	Class 0
Yarn Composition	Not tested	100% Glassfibre
Weight	BS2471	220gsm +/- 12gsm
Tensile Strength	NF4606	Warp 255kg/5cm +/- 10% Weft 215kg/5cm +/- 10%
Elongation at Break	NF4606	2% Warp and Weft
Translucency	NFP38511	50%

Information and test results for guidance only and may change without prior notice, Customer to determine suitability of product for the intended end use. V1

Porcher fibreglass suitable for digital printing with solvent, UV, aqueous, dye-based and some pigment inks, a high performance woven coated fabric with a dense construction producing excellent colour reproduction.

Treatments available: See 'n Safe 220 S for solvent and UV or See 'n Safe 220 W for dye-based and some pigment inks. Flame retardant complying with FR standard above before and after printing

Colour: optic white to optimise print performance.

Typical end uses: underground railway networks, railways, train stations, airports, exhibition centres, theatres, museums and shopping centres

Additional information: recommended adhesives: one side adhesive 3M ref. 396 to stick together on glossy side or double sided adhesive 3M ref. 9072 to stick together on the glossy sides



Summary Of WARRES No's. 135143 & 135144
Including Opinion Of Compliance With The
Requirements For A Class 0 Surface
As Defined In Paragraph A13(b)
Of Approved Document B,
(2000 Edition Incorporating 2002 Amendments)
'Fire Safety', To The Building Regulations 2000

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Porcher Industries

Warrington
FIRE
research

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Terms Of Reference

To assess the results of tests to BS 476:Part 6:1989 and BS 476:Part 7:1997, obtained on specimens of a product and to provide an opinion of compliance with the requirements for a Class O surface, as defined in Approved Document B to the Building Regulations 2000.

Introduction

Specimens of a product have been tested in accordance with the test methods specified in BS 476: Part 6: 1989 'Method of test for fire propagation of products' and BS 476: Part 7: 1997 'Surface spread of flame test for materials'. The results of the tests are fully reported in the test reports WARRES No's. 135143 and 135144.

This summary test report has been prepared at the request of the sponsor and relates the results of the tests to the requirements for a Class 0 surface of a material or composite product, as defined in paragraph A13(b) of Approved Document B, 'Fire Safety', to the Building Regulations 2000.

This summary should be read in conjunction with, and not accepted as a substitute for, the test reports WARRES No's. 135143 and 135144. Those test reports may include additional information which may be relevant to the assessment of the potential fire hazard of the product.

The specimens were tested with an airgap positioned behind the product as described in WARRES No. 135143 and WARRES No.135144.

Description Of Test Specimens

The description of the specimens given below has been prepared from information provided by the sponsor of the tests. All values quoted are nominal, unless tolerances are given.

The product comprised a polyurethane coated glass fabric (product reference 'See 'n Safe 220 S (7678PT678)', colour reference 'White') having a total thickness of 0.19mm, a total weight of 220g/m² and consisting of a woven E-type glass fabric, having a weight of 200g/m², coated on one face with a flame retardant grade polyurethane coating applied to a weight of 20g/m².

The specimens were supplied by the sponsor. Warrington Fire Research Centre was not

4 Face Subjected To Tests

The specimens were mounted in the test positions such that the coated face was exposed to the heating conditions of the tests.

5 Results Of Tests

The following results were obtained for the specimens which were tested.

BS 476: Part 6: 1989

Fire propagation index, I	=	3.1
subindex, i_1	=	2.7
subindex, i_2	=	0.4
subindex, i_3	=	0.0

BS 476: Part 7: 1997

Class 1 surface spread of flame

The test results relate only to the behaviour of the test specimens of the product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential hazard of the product in use.

6 Opinion

We consider the results of the tests detailed above demonstrate that the product, as tested, complies with the requirements for Class 0, as defined in paragraph A13(b) of Approved Document B, 'Fire Safety', to the Building Regulations 2000.

7 Validity Of Opinion

This opinion is based on the requirements of the Building Regulations at the date of this report. If the Building Regulations are revised or amended in any way subsequent to that date, care must be taken to ensure that this opinion is not invalidated by those revisions or amendments.

The opinion has been formulated on the assumption that the specimens are representative of the product in practice. Warrington Fire Research Centre was not involved in any sampling or selection procedures which would confirm this or in any audit testing which would provide confidence in the consistency of the product in the tests.

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Responsible Officer

Approved



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Reaction to Fire Testing

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for and on behalf of
WARRINGTON FIRE RESEARCH CENTRE