

BRE Global Test Report

Testing of the UTC Fire & Security BV, Model CS06, 1.2m x 1.2m fire blanket, batch release number 2016Q4 to BS EN 1869:1997, Clause 4 fire performance only.

Prepared for: UTC Fire & Security BV

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1 INTRODUCTION

1.1 Object

The object of this project was to subject the Model CS06, 1.2m x 1.2m fire blanket, batch release number 2016Q4, submitted by UTC Fire & Security BV, to the fire performance test specified in BS EN 1869:1997, Clause 4 only.

1.2 Origin of request

The testing was initiated by UTC Fire & Security BV, Weert, The Netherlands on 30th January 2017, purchase order number ND95336.

2 EQUIPMENT AND DATA SUBMITTED

2.1 Equipment

A single Model CS06, 1.2m x 1.2m, non-reusable fire blanket, in a rigid red plastic container was submitted by UTC Fire & Security BV, Kelvinstraat 7, 6003 DH Weert, The Netherlands on 6th February 2017, with no visible damage.

2.2 Data

The blanket batch release number was declared as 2016Q4 by UTC Fire & Security BV.

The blanket material specification was stated to be "CS06 Fiberglass Fabric", manufactured by Changshu Jiangnan Glass Fiber CO., Ltd.

The following data sheet was supplied;

常熟江南玻璃纤维有限公司

CHANGSHU JIANGNAN GLASS FIBER CO.,LTD.

	技术参数	CS06 玻璃纤维布
	TECHNICAL SHEET	CS06 FIBERGLASS FABRIC
纱线密度 / YARN DENSITY		
经向 / WARP		20+/-1/CM
纬向 / WEFT		15+/-1/CM
标准宽度 / STANDARD WIDTH		(900-1800) +15/-10MM
厚度 / THICKNESS		0.25+/-0.03MM
平方克重 / AREA WEIGHT		340+/-20 G/M2
涂层含量 / FINISHING		100+/-20 G/M2
拉力强度 / TENSILE STRENGTH		
经向/WARP FORCE		>=950N/5CM
纬向/WEFT FORCE		>=420N/5CM
灭火温度 / SERVICE FIRE TEMPERATURE		350-370°C
展开时间/PULL TIME		<3S



3 TEST PROGRAMME

The Model CS06, 1.2m x 1.2m fire blanket, batch release number 2016Q4, submitted by UTC Fire & Security BV, was tested to the fire extinguishing performance test methods specified in BS EN 1869:1997, Clause 4.

At the request of UTC Fire & Security BV only one fire blanket was fire tested.

The specimen was conditioned in accordance with Annex A of BS EN 1869:1997 prior to the test.

The fire testing was conducted inside the BRE Burn Hall, Garston, Watford, UK.

Project commenced 6th February 2017 and was completed on 9th February 2017.

4 TEST RESULTS

4.1 Fire performance (BS EN 1869:1997, Clause 4)

Model / sample	Auto Ignition		Observations	Oil used	Result
	Temperature (°C)	Time (min:sec)			
CS06 / 1 Batch No. 2016Q4	360	28:23	Fire extinguished	Rapeseed	Pass

5 CONCLUSION

The Model CS06, 1.2m x 1.2m fire blanket, batch release number 2016Q4, submitted by UTC Fire & Security BV, successfully extinguished a single test fire, when tested in accordance with the methods specified in Clause 4 and Annex C of BS EN 1869:1997.

It should be noted that Annex C specifies that three specimens are tested, however at the request of UTC Fire & Security BV only one specimen was fire tested.

No testing to any other clause of BS EN 1869:1997 was undertaken.

6 REFERENCE

1. BS EN 1869:1997. Fire Blankets, British Standards Institution, London, 1997.