

**Title:**

**CLASSIFICATION OF REACTION  
TO FIRE PERFORMANCE  
IN ACCORDANCE WITH  
EN 13501-1:2018**

**Notified Body No:**

0833

**Product Name:**

"webertherm MT 124P/MTR 124P"

**Report No:**

WF 427972

**Issue No:**

1

**Prepared for:**

Saint Gobain Weber Ltd,  
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**Date:**

20<sup>th</sup> May 2020

## 1. Introduction

This classification report defines the classification assigned to “webertherm MT 124P/MTR 124P”, a render protected external wall cladding system, in line with the procedures given in EN 13501-1:2018.

## 2. Details of classified product

### 2.1 General

The product, “webertherm MT 124P/MTR 124P”, a render protected external wall cladding system, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The product, “webertherm MT 124P/MTR 124P”, a render protected external wall cladding system, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Render protected external wall cladding system
Product reference		“webertherm MT 124P /MTR 124P” / “webertherm MT 024P /MTR 024P”
Name of manufacturer		Saint-Gobain Weber
Thickness		17mm (stated by sponsor) 14.08mm (determined by Warringtonfire)
Weight per unit area		23.38kg/m <sup>2</sup> (stated by sponsor) 18.52kg/m <sup>2</sup> (determined by Warringtonfire)
Top coat	Generic type	Synthetic Textured Finish (Silicone)
	Product reference	“webersil TF”
	Name of manufacturer	Saint-Gobain Weber
	Colour reference	Any (“Carnival Red” tested)
	Number of coats	One
	Thickness	1.5mm
	Application rate	2.7kg/m <sup>2</sup>
	Application method	Mix in bucket and apply a ‘tight’ coat with a metal trowel. Finish with a thin plastic float.
	Curing process per coat	3-4 days
	Flame retardant details	<b>See Note 1 below</b>
Primer	Generic type	Acrylic primer
	Product reference	“PR310”
	Name of manufacturer	Saint-Gobain Weber
	Colour reference	“White”
	Number of coats	One
	Thickness	0.1mm
	Application rate	270g/m <sup>2</sup> (0.25 l/m <sup>2</sup> )
	Application method	Brush applied
	Curing process per coat	24 hours
	Flame retardant details	<b>See Note 1 below</b>

Render	Generic type	Polymer modified cementitious adhesive render
	Product reference	"weberend LAC"
	Name of manufacturer	Saint-Gobain Weber
	Colour reference	"Grey, un-pigmented"
	Number of coats	One
	Thickness	3mm
	Application rate	3.25kg/m <sup>2</sup>
	Application method	Mixed with the appropriate quantity of clean potable water and applied by hand with a metal trowel
	Curing process per coat	28 days
	Flame retardant details	<b>See Note 1 below</b>
Reinforcing mesh	Generic type	Glass fibre mesh cloth
	Product reference	"weber mesh standard"
	Name of manufacturer	Saint-Gobain ADFORS
	Number of layers	One
	Thickness	0.52mm
	Weight per unit area	160g/m <sup>2</sup>
	Application method	Laid over the first pass of render and laid in with a steel trowel
Flame retardant details	<b>See Note 1 below</b>	
Render	Generic type	Polymer modified cementitious adhesive render
	Product reference	"weberend LAC"
	Name of manufacturer	Saint-Gobain Weber
	Colour reference	"Grey, un-pigmented"
	Number of coats	One
	Thickness	3mm
	Application rate	3.25kg/m <sup>2</sup>
	Application method	Mixed with the appropriate quantity of clean potable water and applied by hand with a metal trowel
	Curing process per coat	28 days
	Flame retardant details	<b>See Note 1 below</b>
Render Substrate Board	Generic type	Render substrate board
	Product reference	"BluClad"
	Name of manufacturer	Siniat
	Thickness	10mm
	Weight per unit area	14.2kg/m <sup>2</sup>
	Density	1180kg/m <sup>3</sup>
	Colour reference	"Natural (Grey)"
Flame retardant details	<b>See Note 1 below</b>	
Brief description of manufacturing process	3mm weberend LAC is applied to the render substrate board and the reinforcing mesh laid in. A further 3mm pass of weberend LAC applied and finished flat. After a minimum of three days a coat of PR310 primer is applied and left to dry. Finally the webersil TF is mixed with water, applied with a trowel and finished with a thin plastic float.	

**Note 1:** The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

**3. Test reports & test results in support of classification.**

**3.1 Test reports.**

<b>Name of Laboratory</b>	<b>Name of sponsor</b>	<b>Test reports /extended application report Nos.</b>	<b>Test method / extended application rules &amp; date</b>
<b>Warringtonfire</b>	Saint-Gobain Weber Ltd	WF 414083, WF 412825, WF 412821, WF 412826	EN ISO 1716:2018
<b>Pavus A.S.</b>	Saint-Gobain Weber Ltd	No. Pr-18-1.261-En	EN ISO 1716:2018
<b>Warringtonfire</b>	Saint-Gobain Weber Ltd	WF 417811	EN ISO 1716 – Composite report
<b>Warringtonfire</b>	Saint-Gobain Weber Ltd	WF 414705, WF 416414 (full) WF 421033, WF 421060 (indic)	BS EN 13823:2010+A1:2014
<b>Warringtonfire</b>	Saint-Gobain Weber Ltd	WF 427971	EN/TS 15117:2005 & EN 15725:2010

3.2 Test results

Test method & test number	Parameter	No. tests	Results		Compliance with parameters
			Continuous parameter - Max/ Mean (m)		
BS EN 13823	FIGRA <sub>0.2MJ</sub>	3 (full) 1 (indic)	<b>BluClad - Carnival Red (full)</b>	<b>41.11 W/s</b>	-
			EPS - Carnival Red (full)	64.61 W/s	
			EPS – Silver Pearl (indic)	100.18 W/s	
			EPS – Welsh Slate (indic)	73.25 W/s	
	FIGRA <sub>0.4MJ</sub>		<b>BluClad - Carnival Red (full)</b>	<b>12.77 W/S</b>	-
			EPS - Carnival Red (full)	59.71 W/S	
			EPS – Silver Pearl (indic)	100.18 W/S	
			EPS – Welsh Slate (indic)	71.91 W/S	
	THR <sub>600s</sub>		<b>BluClad - Carnival Red (full)</b>	<b>1.30 MJ</b>	-
			EPS - Carnival Red (full)	2.75 MJ	
			EPS – Silver Pearl (indic)	3.57 MJ	
			EPS - Welsh Slate (indic)	2.39 MJ	
	LFS			-	Compliant
	SMOGRA		<b>BluClad - Carnival Red (full)</b>	<b>0.00 m<sup>2</sup>s<sup>2</sup></b>	-
			EPS - Carnival Red (full)	9.54 m <sup>2</sup> s <sup>2</sup>	
			EPS – Silver Pearl (indic)	10.60 m <sup>2</sup> s <sup>2</sup>	
			EPS - Welsh Slate (indic)	7.36 m <sup>2</sup> s <sup>2</sup>	
	TSP <sub>600s</sub>		<b>BluClad - Carnival Red (full)</b>	<b>28.68 m<sup>2</sup></b>	-
			EPS - Carnival Red (full)	76.59 m <sup>2</sup>	
			EPS – Silver Pearl (indic)	80.17 m <sup>2</sup>	
			EPS - Welsh Slate (indic)	60.01 m <sup>2</sup>	
	Fall of Flaming Drop/Particle?			-	Compliant
	Flaming droplets lasting > 10s			-	Compliant

EN ISO 1716	Top Coat - PCS (a)	3	2.9523 MJ/kg	-
	Primer – PCS (d)		2.2282 MJ/m <sup>2</sup>	-
	Render – PCS (a)		0.4860 MJ/kg	-
	Reinforcing mesh – PCS (d)		1.1224 MJ/m <sup>2</sup>	-
	BluClad render substrate board – PCS (a)		1.3833 MJ/kg	-
	Product as a whole – PCS (e)	N/a	1.4374 MJ/kg	-
<p><b>* Colour</b> – Colour was found not to affect the fire classification of the product through testing on the identical render system when applied to EPS insulation as per WF 416414, WF 421033 and WF 421060. Therefore any colour of the “webertherm MT 124P /MTR 124P” product can be found to meet the same fire classification as that obtained on the most organic colour within the colour range, “Carnival Red”.</p>				

#### 4. Classification and field of application

##### 4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2018, EN 15725:2010, EN/TS 15117:2005 and EAD 040427-00-0404.

##### 4.2 Classification

The product, "webertherm MT 124P/MTR 124P", a render protected external wall cladding system,, in relation to its reaction to fire behaviour is classified:

**A2**

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 applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
<b>A2</b>	-	<b>S</b>	<b>1</b>	,	<b>d</b>	<b>0</b>

i.e. **A2 – s1 , d0**

**Reaction to fire classification: A2 - s1, d0**

### 4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications with the BluClad render board applied directly over any substrate with a minimum density of  $870\text{kg/m}^3$ , a minimum thickness of 11mm and a minimum classification of A2-s1,d0 or above
- ii) Air gap details – No air gap allowed

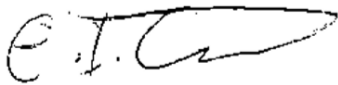
This classification is also valid for the following product parameters:

Top Coat Colour	Any colour allowed
Top Coat type	Tested type with lower organic content allowed
Primer type	Tested type with lower organic content allowed
Render type	Tested type with lower organic content allowed
Reinforcement type	Tested type and those with equal or lower PCS ( $\text{MJ/m}^2$ ) allowed
Render substrate type	Tested type with equal or lower organic content or equal or lower PCS ( $\text{MJ/kg}$ )
Render substrate thickness	10mm or lower allowed
Render substrate density	$1180\text{kg/m}^3$ or lower allowed
Product composition	No further variation allowed
Product construction	No further variation allowed
Air gap details	No air gap allowed behind BluClad render board

### 5. Limitations

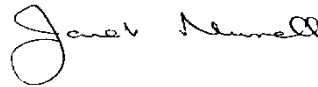
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#### SIGNED



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Certification Engineer  
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#### APPROVED



.....  
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Technical Manager  
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On behalf of **Warringtonfire**

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