

REACTION TO FIRE - CLASSIFICATION REPORT Nr. EUI-24-000326A

1. INTRODUCTION

This classification report defines the classification assigned to Monocouche XF – Best Practice in accordance with the procedures given in BS EN 13501-1:2018.

REACTION TO FIRE CLASSIFICATION IN ACCORDANCE WITH BS EN 13501-1:2018

Sponsor:	Monocouche Render Systems Ltd Unit B7, Phoenix Industrial Estate Rosslyn Crescent Harrow HA1 2SP United Kingdom
Product name:	Monocouche XF – Best Practice
Classification report No.:	EUI-24-000326A
Issue number:	1
Date of issue:	13 th August 2024

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2. DOCUMENT TRACKING

Revision Index.	Modification
0	Original document

3. DESCRIPTION OF THE PRODUCT

3.1. GENERAL

The product, Monocouche XF – Best Practice, is defined as a render system

3.2. PRODUCT DESCRIPTION

The product, Monocouche XF – Best Practice, is described below, or is described in the reports provided in support of classification listed in §4.1.

Product description							
Trademark	Monocouche XF – Best Practice						
Manufacturer / supplier	Monocouche Render Systems Ltd Unit B7, Phoenix Industrial Estate Rosslyn Crescent Harrow HA1 2SP United Kingdom						
Composition	<table border="1"> <tr> <td>Basecoat (MonoBase XF)</td> <td>Information regarding supplier name, thickness, mass per unit area and relative mass to the whole product provided but withheld on the report for commercially sensitive reasons.</td> </tr> <tr> <td>Mesh imbedded in the centre of the basecoat (MonoMesh XF)</td> <td>Information regarding supplier name, thickness, mass per unit area and relative mass to the whole product provided but withheld on the report for commercially sensitive reasons.</td> </tr> <tr> <td>Render (Monocouche Render XF)</td> <td>Information regarding supplier name, thickness, mass per unit area and relative mass to the whole product provided but withheld on the report for commercially sensitive reasons.</td> </tr> </table>	Basecoat (MonoBase XF)	Information regarding supplier name, thickness, mass per unit area and relative mass to the whole product provided but withheld on the report for commercially sensitive reasons.	Mesh imbedded in the centre of the basecoat (MonoMesh XF)	Information regarding supplier name, thickness, mass per unit area and relative mass to the whole product provided but withheld on the report for commercially sensitive reasons.	Render (Monocouche Render XF)	Information regarding supplier name, thickness, mass per unit area and relative mass to the whole product provided but withheld on the report for commercially sensitive reasons.
	Basecoat (MonoBase XF)	Information regarding supplier name, thickness, mass per unit area and relative mass to the whole product provided but withheld on the report for commercially sensitive reasons.					
	Mesh imbedded in the centre of the basecoat (MonoMesh XF)	Information regarding supplier name, thickness, mass per unit area and relative mass to the whole product provided but withheld on the report for commercially sensitive reasons.					
Render (Monocouche Render XF)	Information regarding supplier name, thickness, mass per unit area and relative mass to the whole product provided but withheld on the report for commercially sensitive reasons.						
Thickness	15 mm						
Mass per unit area	25 kg/m ²						
Density	1666 kg/m ³						
Colour	Various						
Fire retardant	No						
Other information	-						

4. REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

4.1. REPORTS

Name of Laboratory	Name of sponsor	Report ref. no	Test method and date field of application rules and date
EFFECTIS UK/Ireland	Monocouche Render Systems Ltd	EUI-24-HC-000326A	BS EN ISO 1716:2018
EFFECTIS UK/Ireland	Monocouche Render Systems Ltd	EUI-24-HC-000326B	BS EN ISO 1716:2018
EFFECTIS UK/Ireland	Monocouche Render Systems Ltd	EUI-24-HC-000326C	BS EN ISO 1716:2018
EFFECTIS UK/Ireland	Monocouche Render Systems Ltd	EUI-24-NC-000326A	BS EN ISO 1182:2020
EFFECTIS UK/Ireland	Monocouche Render Systems Ltd	EUI-24-NC-000326B	BS EN ISO 1182:2020

4.2. RESULTS

Test method and test number	Parameter	No. Tests ^{a)}	Results			Compliance with parameters
			Continuous parameter - mean (m)			
BS EN ISO 1716:2018 EUI-24-HC-000326A EUI-24-HC-000326B EUI-24-HC-000326C	PCS (MJ/kg) GCV (MJ/kg)	3	MonoBase XF	0.0 MJ/kg	0.0 MJ/m ²	-
		3	MonoMesh XF	6.9 MJ/kg	0.8 MJ/m ²	
		3	Monocouche Render XF (Brick red)	0.0 MJ/kg	0.0 MJ/m ²	
		3	Monocouche Render XF (Earth dark)	0.0 MJ/kg	0.0 MJ/m ²	
		3	Monocouche Render XF (Nimbus white)	0.0 MJ/kg	0.0 MJ/m ²	
		-	Product as a whole	0.0 MJ/kg	0.8 MJ/m ²	

BS EN ISO 1182:2020 EUI-24-NC-000326A MonoBase XF	Temperature rise	5	3	-
	Δm (%) Mass loss		9	-
	t_f (s) Duration of sustained flaming		0	-
BS EN ISO 1182:2020 EUI-24-NC-000326B Monocouche Render XF (Brick red)	Temperature rise	5	4	-
	Δm (%) Mass loss		12	-
	t_f (s) Duration of sustained flaming		0	-
a) Not for extended application (-) means not applicable.				

5. CLASSIFICATION AND FIELD OF APPLICATION

5.1. REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with BS EN 13501-1:2018.

5.2. CLASSIFICATION

The product, Monocouche XF – Best Practice, in relation to its reaction to fire behaviour is classified:

A1

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour
A1

i.e., **A1**

Reaction to fire classification	A1
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5.3. FIELD OF APPLICATION

This classification is valid for the following product parameters and end-use applications:

Density	Valid for the tested density
Type of mesh	Valid only for the tested mesh with PCS of 1.4 MJ/m ² or lower
Type of product/ facings	Valid for tested type of product only (same formulation)
Colour	Valid for all colours of Monocouche Render XF

6. LIMITATIONS

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

SIGNED



Mohamad Aloulou
Project leader

APPROVED



Maurice MCKEE
Lab Manager