

## Declaration of Performance

Reference: FM CPR DOC 001-17 Rev 4

Date of Issue: 15<sup>th</sup> March 2023

1	<p>Unique identification of the product type: <b>FireMaster Structural Steel PFP</b></p>
2	<p>Type and batch numbers: Marked on each carton of fire protection blanket</p>
3	<p>Intended use as given in EAD 350142-00-1106: 3.1 Fire protective kit comprising fire protection blanket with steel pin and washer fasteners intended for use as fire protection for load bearing steel elements in accordance with EAD 350142-00-1106 Type 4 3.2 For use in internal conditions Z<sub>2</sub> as specified in EAD 350142-00-1106</p>
4	<p>Name and contact details of the manufacturer:</p> <p>Placed on the market by</p> <p>Morgan Advanced Materials – Thermal Ceramics Tebay Rd. Bromborough CH62 3PH U.K.</p> <p>And manufactured at:</p> <p>Morgan Advanced Materials Thermal Ceramics Zone industrielle Les Plantées, 42680, Saint Marcellin en Forez, France</p> <p><a href="http://www.morganthermalceramics.com">www.morganthermalceramics.com</a></p>
5	<p>Authorised representative: Not Applicable</p>

6	System or systems of Assessment and Verification of Consistency of Performance (AVCP): See Section 9 below		
7	This construction kit is not covered by a Harmonised Standard (hEN)		
8	The Declaration of Performance concerns a construction kit for which a European Technical Agreement has been issued By ETA Danmark Issued as ETA 20/1296 Performed under system AVCP 1 And issued certificate of consistency of performance number 2531-CPR-CXO10123		
9	Declared Performance		
	Essential Characteristics	Performance	Harmonised Technical Specification
	<b>BWR 1 Mechanical resistance and stability</b> : Not applicable		
	<b>BWR 2 Safety in case of fire</b>		
	Reaction To Fire	Material : A1 Fastener: A1	EAD 350142-00-1106
	Resistance to Fire	R30 to R180 Dependant on steel section dimensions. Specified in Annex A of ETA 20/1296	EAD 350142-00-1106
	<b>BWR 3 hygiene, health and environment</b>		
	Water permeability	NPD	
	Air permeability	Not Relevant	
	Release of dangerous substances	Declaration filed with approval body	EAD 350142-00-1106

<b>BWR 4 Safety in use</b>		
Flexural Strength	Not Relevant	EAD 350142-00-1106
Dimensional Stability	Length minus 2.16% Width minus 2.45% Thickness plus 0.86%	EAD 350142-00-1106
<b>BWR 5 Protection against noise</b>		
Sound Absorption	Class A	EAD 350142-00-1106
<b>BWR 6 Energy economy and heat retention</b>		
Thermal Resistance	Nominal 0.032 W/mK at 10°C	EAD 350142-00-1106
Water Vapour Transmission	Water Vapour Transmission Rate (g/(h.m <sup>2</sup> )) : 16958..5  Water Vapour Permenence, W (mg./h.m <sup>2</sup> .Pa) : 14.05  Water Vapour Resistance, Z (h.m <sup>2</sup> .Pa/mg) : 0.071  Water Vapour Permeability (mg.h.n/Pa) : 0.43  Water Diffusion Resistance Factor $\mu$ : 1.66  Water Vapour Diffusion Equivalent Air Layer Thickness S <sub>d</sub> (m) : 0.051	EAD 350142-00-1106
General aspects relating to product performance		

Durability and Serviceability	Durability (internal only)	EAD 350142-00-1106
Identification	Information filed by Approval Body	
<b>BWR 7 Sustainable use of natural resources</b>		
	NPD	EAD 350142-00-1106

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Name: Allan Beeston

Function: Global Fire Protection Applications Manager

Bromborough, UK. 15<sup>th</sup> March 2023

Signature

