

DECLARATION OF PERFORMANCE (PIR118)

insulation

1. Unique identification code of the product type	Supapir PIR foiled pipe section
2. Name and contact address of the manufacturer	MW Insulation Ltd. Unit 2, Guinness Road Trading Estate, Trafford Park, Manchester M17 1SB
3. Harmonised standard	EN 14308:2015
4. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foreseen by the manufacturer:	ThIBEL - Thermal insulation for Building Equipment and Industrial Installations
5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	AVCP System 3
6. Name and identification number of notified body	Warrington Fire 0833 FIW 0751

Essential Characteristics		Performance	Harmonized technical specification
Reaction to fire	Reaction to fire	NPD	EN 13501-1:2007 +A1:2009
Durability of reaction to fire against ageing / degradation	Durability characteristics	The fire performance of PU does not deteriorate with time.	
Thermal resistance	Thermal conductivity	See table thermal conductivity λ_D	EN 14308:2015
	Dimensions and tolerances	NPD	
Durability of thermal resistance against high temperature, ageing / degradation	Thermal conductivity	See table thermal conductivity λ_D	
	Dimension and tolerances	NPD	
	Dimensional stability under specified conditions	DS(70,90)3 DS(-20,-)2	
	Durability characteristics	NPD	
	Maximum service temperature	ST(+) 120 °C	
	Minimum service temperature	ST(-) -120 °C	
	Closed cell content	NPD	
Compressive strength	Compressive resistance	CS(10 λ)175	
Water permeability	Water absorption	NPD	
Water vapour permeability	Water vapour diffusion resistance	NPD	
	Closed cell content	NPD	
Rate of release of corrosive substances	Trace quantities of watersoluble ions and the pH-value	Chloride < 60 mg/kg	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD	
Continuous glowing combustion	Continuous glowing combustion	NPD	

Thermal conductivity λ_D [W/(m·K)] of non-aged PIR35C5 in relation to temperature according to EN-12667:2001												
-120 °C	-100 °C	-80 °C	-60 °C	-40 °C	-20 °C	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C	120 °C
0,017	0,018	0,018	0,020	0,022	0,022	0,023	0,024	0,028	0,032	0,035	0,040	0,043

Signed for and in name of manufacturer:

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above. Based on the technical data from PIR block manufacturer Nastaan Holland B.V. who have permitted MW Insulation to use its technical data.

S Renney

NAME: Steven Renney,
Managing Director (Manchester)
DATE: August 2023 (updated)

