

## Techrock 40 FB1, FW1, SB1

## MW EN 14303-T4-ST(+)250-MV1

1. Unique identification code of the product-type: RW-PL-G-1822-I
2. Intended use: Thermal Insulation for Industrial and Building Equipment and Industrial Installation . (ThIBell)
3. Manufacturer:  
ROCKWOOL® Hungary Kft, Keszthelyi út 53, Tapolca H-8300
4. System of attestation of conformity: System1+ System3
5. Harmonised standard: EN 14303:2009  
Notified body No. 1415  
Certificate of constancy of performance  
No.: 1415-CPR-25-(C-41/2012)
6. Declared Performance in the Table 1 and Table 2

Table 1

Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonized standard EN 14303:2009+A1:2013	Declared value / NPD <sup>1)</sup>
Reaction to fire	4.2.4 Reaction to fire of the product as placed on the market	Euroklass	A1
Continuous glowing combustion	4.3.10 Continuous glowing combustion	According to national test method where available	<sup>b)</sup>
Thermal conductivity	4.2.1 Thermal conductivity	Thermal conductivity against high temperature	see Table 2
	4.2.2.1 Linear dimension	T <sub>i</sub> <sup>a)</sup> Classes for thickness tolerances - length - width - squariness For pipe section: - Inner diameter - rovnomernost tloušťky	T4 ± 1,5% ± 2% ± 5 mm/m -- --
Dimensional stability or maximum operating temperature - dimensional stability	4.2.3 Dimensional stability	test is not performed if it is declared ST (+)	see 4.3.2
Water permeability	4.3.5 Water absorption	Short term water absorption W <sub>p</sub>	NPD
Water vapour permeability	4.3.6 Diffusion resistance	μ, MVi <sup>a)</sup> declared	MV1
Rate of release of corrosive substances	4.3.7 Trace quantities of watersoluble ions and the pH-value	Trace amounts of soluble ions and pH: - chlorine / fluorine / silicate / sodium - pH <sup>a)</sup>	NPD NPD
Release of dangerous substances to the indoor environment	4.3.9 Release of dangerous substances	EU level is not yet available	<sup>c)</sup>
Durability of reaction to fire after aging / degradation and high temperature	4.2.5.2 Durability of reaction to fire	Reaction to fire after aging	unchanged over time
Durability of thermal resistance after aging / degradation	4.2.5.3 Durability of thermal resistance	Durability of thermal resistance after aging	unchanged over time
Durability of thermal resistance against high temperature	4.2.5.4 Durability of thermal resistance	Durability of thermal resistance against high temperature	unchanged over time
Service temperature	4.3.2 Maximum service temperature	ST(+) <sup>a)</sup> declared, °C	250
Compressive strength	4.3.4 Compressive stress or compressive strength	CS(10) <sup>a)</sup> or CS(Y) <sup>a)</sup> declared	NPD
Index of sound absorption	4.3.8. Sound absorption	α <sub>p</sub> (AP <sup>a)</sup> a α <sub>m</sub> , (AW <sup>a)</sup> declared	NPD

<sup>1)</sup>NPD – no performance declared); <sup>a)</sup>"i" indicates the class or declared value; <sup>b)</sup> national regulations are not available; <sup>c)</sup> in accordance with national regulations: See MSDS

Table 2

Coefficient of thermal conductivity λ <sub>D</sub>						
T (°C)	10	50	100	150	200	250
λ (W/mK)	0,037	--	0,054	--	--	0,106

The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Frank Christian Bartel  
Technical Director

  
(signature)

Cigacice, 01. 2015