

Dachrock / SF 165 d=40-180mm**MW-EN 13162-T5-DS(70,-)-DS(70,90)-CS(10)70-TR15-PL(5)650-WS-WL(P)-MU1**

- Unique identification code of the product-type: RW-PL-G-1026-I
- Intended use: Thermal insulation products for buildings (ThIB)
- Manufacturer:
ROCKWOOL® Hungary Kft, Keszthelyi út 53, Tapolca H-8300
- System of attestation of conformity: System1+ System3
- Harmonised standard: EN 13162:2012
Notified body No. 1415
Certificate of constancy of performance
No.: 1415-CPR-3-(C-7/2010)
- 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 13162:2012	Declared value / NPD ¹⁾
Reaction to fire	4.2.6 Reaction to fire	Euroclasses	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	EU level not yet available	^{c)}
Acoustic absorption index	4.3.11 Sound absorption	α_p (API ^{a)}) and α_w (AWI ^{a)}) declared	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s'_f SDf ^{a)} declared	NPD
	4.3.10.2 Thickness, d_L	d_L declared and classes for thickness tolerances T6 or T7	NPD
	4.3.10.4 Compressibility c	CPf ^{a)} declared	NPD
	4.3.12 Air flow resistivity	AF _f ^{a)} declared. Direct airborne sound insulation index	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	AF _f ^{a)} declared.	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	EU level not yet available	^{c)}
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ if possible	See table 2 0,040 W/mK
	4.2.3 Thickness	TR ^{a)} class for thickness tolerance	T5
Water permeability	4.3.7.1 Short term water absorption	WS- declared $W_{s,t}$	≤ 1 kg/m ²
	4.3.7.2 Long term water absorption	WL(P)-declared $W_{l,p}$	≤ 3 kg/m ²
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ ; (MU ^{a)}) or ZI ^{a)}	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10) ^{a)} or CS(10Y) ^{a)} declared	≥ 70 kPa
	4.3.5 Point load	PL(5) ^{a)} declared	≥ 650 N
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristic	Reaction to fire as declared by 4.2.6	not change with time
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1. Thermal resistance and thermal conductivity	Declared R and λ if possible	not change with time
	4.2.7 Durability characteristics	DS(70,-) declared; The relative changes in thickness	$\leq 1,0\%$
	4.3.2 Dimensional stability under specified temperature or under specified temperature and humidity conditions	DS(70,90) declared; The relative changes in thickness	$\leq 1,0\%$
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TRI ^{a)} declared	≥ 15 kPa
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(i_1^a / i_2^a) σ_c compressive creep declared X_{c1} and X_{c2}	NPD

¹⁾ no performance determined ^{a)} "T" indicates relevant class of level or declared value ^{b)} national regulations not available ^{c)} according to national regulations; see: Safety Use Instruction Sheet

Table 2

	Thermal resistance, R_0													
d(mm)	20	30	40	50	60	80	100	110	120	140	160	180	200	220
R_0 (m ² /K/W)	--	--	1,00	1,25	1,50	2,00	2,50	2,75	3,00	3,50	4,00	--	--	--

NOTE: R value for thickness not seen in Table 2, is available on product label

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:

Tapolca, 03. 2015.

Frank Christian Bartel
Technical and Production Director

Monrock Max E d=50-200mm

MW-EN 13162-T4-DS(70,-)-DS(70,90)-CS(10)40^{a)}-TR10-PL(5)650-WS-WL(P)-MU1

- Unique identification code of the product-type: RW-PL-G-1045-I
- Intended use: Thermal insulation products for buildings (ThIB)
- Manufacturer:
ROCKWOOL® Hungary Kft. Keszthelyi út 53, Tapolca H-8300
- System of attestation of conformity: System1+ System3
- Harmonised standard: EN 13162:2012
Notified body No. 1415
Certificate of constancy of performance
No.: 1415-CPR-3-(C-7/2010)
- 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 13162:2012	Declared value / NPD ¹⁾
Reaction to fire	4.2.6 Reaction to fire	Euroclasses	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	EU level not yet available	^{c)}
Acoustic absorption index	4.3.11 Sound absorption	α_p (API ^{a)}) and $\alpha_{w,}$ (AWI ^{a)}) declared	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s' , SD ^{a)} declared	NPD
	4.3.10.2 Thickness, d_t	d_t declared and classes for thickness tolerances T6 or T7	NPD
	4.3.10.4 Compressibility c	CP ^{a)} declared	NPD
	4.3.12 Air flow resistivity	AF _r ^{a)} declared. Direct airborne sound insulation index	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	AF _r ^{a)} declared.	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	EU level not yet available	^{e)}
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ if possible	See table 2 0,038 W/mK
	4.2.3 Thickness	T ^{a)} class for thickness tolerance	T4
Water permeability	4.3.7.1 Short term water absorption	WS- declared $W_{s,}$	≤ 1 kg/m ²
	4.3.7.2 Long term water absorption	WL(P)-declared $W_{l,}$	≤ 3 kg/m ²
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ ; (MU ^{a)}) or Z ^{a)}	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10) ^{a)} or CS(10,Y) ^{a)} declared for TOP layer:	≥ 40 kPa ^{a)} ≥ 70 kPa
	4.3.5 Point load	PL(5) ^{a)} declared	≥ 650 N
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristic	Reaction to fire as declared by 4.2.6	not change with time
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1. Thermal resistance and thermal conductivity	Declared R and λ if possible	not change with time
	4.2.7 Durability characteristics	DS(70,-) declared; The relative changes in thickness	$\leq 1,0\%$
	4.3.2 Dimensional stability under specified temperature or under specified temperature and humidity conditions	DS(70,90) declared; The relative changes in thickness	$\leq 1,0\%$
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TR ^{a)} declared	≥ 10 kPa
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(i_1 ^{a)} /i ₂ ^{a)}) σ_c compressive creep declared $X_{c,}$ and X_t	NPD

¹⁾ no performance determined ^{a)} "T" indicates relevant class of level or declared value ^{b)} national regulations not available ^{c)} according to national regulations; see: Safety Use Instruction Sheet

Table 2

Thermal resistance, R_0 ,														
d(mm)	20	30	40	50	60	80	100	110	120	140	160	180	200	220
R_0 (m ² /K/W)	--	--	--	1.30	1.55	2.10	2.60	2.85	3.15	3.65	4.20	4.70	5.25	--

NOTE: R value for thickness not seen in Table 2, is available on product label

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.

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Frank Christian Bartel
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