

RPI-4.5 d=25-50mm**MW-EN 13162-T3-TR1-WS-WL(P)-MU1**

- Unique identification code of the product-type:
RW-PL-CEE-0640
- Intended use: **Thermal insulation products for buildings (ThIB)**
- Manufacturer: **ROCKWOOL® Polska Sp. z o.o.,
ul.Kwiatowa 14, 66-131 Cigacice**
- System of attestation of conformity: **System1+ System 3**
- Harmonised standard: **EN 13162:2012**
Notified body No. **1390 Centrum stavebního inženýrství a.s. Praha**
Certificate of constancy of performance No **1390-CPR-0296/11/P**
(factory Bohumin).
- 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_0 (AP ^{a)} and α_{0w} (AW ^{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	CPI ^{a)} declared	NPD
	4.3.12 Air flow resistivity	AF _i ^{a)} declared. Direct airborne sound insulation index	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	AF _i ^{a)} declared.	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	EU level not yet available	b)
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Declared R and λ , if possible	See table 2 0,035 W/mK
	4.2.3 Thickness	T ^{a)} class for thickness tolerance	T3
Water permeability	4.3.7.1 Short term water absorption	WS- declared W_{R1}	$\leq 1 \text{ kg/m}^2$
	4.3.7.2 Long term water absorption	WL(P)-declared W_{R2}	$\leq 3 \text{ kg/m}^2$
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	NPD
	4.3.5 Point load	PL(5) ^{a)} declared	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	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	NPD
	4.3.2. Dimensional stability under specified temperature or under specified temperature and humidity conditions	DS(70,90) declared The relative changes in thickness	NPD
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TRI ^{a)} declared	TR1 kPa
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(i_1 ^{a)} / i_2 ^{a)}) α_C compressive creep declared X_{C1} and X_{C2}	NPD

¹⁾ No performance determined; ^{a)} "i" 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)	30	31	33	36	39	40	41	42	45	-	-	-
$R_0(\text{m}^2\text{K/W})$	0,85	0,85	0,90	1,00	1,10	1,10	1,15	1,20	1,25	-	-	-


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.

Signed for and on behalf of the manufacturer by:

Frank Christian Bartel
Technical&Production Director
(Name, function)

Cigacice, 16.06.2015
Place, date


Signature

ROCKWOOL®
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