

MONROCK MAX E d=50-250mm

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

- Unique identification code of the product-type:
RW-CEE-0115
- 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: System 1+ 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-0439/15/P
- 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 (AP ²⁾ and α_w (AWI ²⁾ declared | NPD |
| Impact noise transmission index (for floors) | 4.3.9 Dynamic stiffness | s' , SD ²⁾ 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 | CPI ²⁾ declared | NPD |
| | 4.3.12 Air flow resistivity | AF _r ²⁾ declared. Direct airborne sound insulation index | NPD |
| Direct airborne sound insulation index | 4.3.12 Air flow resistivity | AF _r ²⁾ 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 |
| | | 4.2.3 Thickness | TI ²⁾ class for thickness tolerance |
| Water permeability | 4.3.7.1 Short term water absorption | WS- declared $W_{p,2}$ | $\leq 1 \text{ kg/m}^2$ |
| | 4.3.7.2 Long term water absorption | WL(P)-declared $W_{p,2}$ | $\leq 3 \text{ kg/m}^2$ |
| Water vapour permeability | 4.3.8 Water vapour transmission | Declared μ : (MU ²⁾ or Z ²⁾ | MU1 |
| Compressive strength | 4.3.3 Compressive stress or compressive strength | CS(10) ²⁾ or CS(10,Y) ²⁾ declared | CS(10)40* kPa |
| | 4.3.5 Point load | PL(5) ²⁾ declared | PL(5)650 N |
| 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 |
| | 4.3.2 Dimensional stability under specified temperature or under specified temperature and humidity conditions | DS(70,90) declared The relative changes in thickness | $\leq 1\%$ |
| Tensile strength | 4.3.4 Tensile strength perpendicular to faces | TR ²⁾ declared | TR10 kPa |
| Durability of compressive strength against ageing/degradation | 4.3.6 Compressive creep | CC(t_1 ²⁾ / t_2 ²⁾) σ_C compressive creep declared X_{ct} and X_t | NPD |

¹⁾No performance determined; ²⁾"-" indicates relevant class of level or declared value; ³⁾national regulations not available; ^{c)} according to national regulations; see: Safety Use Instruction Sheet; * for top layer CS(10)70 kPa.

Table 2

| d(mm) | Thermal resistance, R_0 | | | | | | | | | | | | | | |
|-----------------------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | 50 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 210 | 220 | 230 | 240 | 250 | - |
| $R_0(\text{m}^2\text{K/W})$ | 1,30 | 1,55 | 2,10 | 2,60 | 3,15 | 3,65 | 4,20 | 4,70 | 5,25 | 5,50 | 5,75 | 6,05 | 6,30 | 6,55 | - |

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, 10.07.2015
Place, date

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Signature