

Techrock 150 ALS

- Unique identification code of the product type:
RW-PL-G-1807
- Type and serial number allowing identification of the product: see product label **Techrock 150 ALS MW EN 14303-T4-ST(+)250**
- Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: **Thermal Insulation for Industrial and Building Equipment and Industrial Installation . (ThIBell)**
- Name, registered trade name or trade mark and contact address of the manufacturer as required under article 11(5): **ROCKWOOL® Hungary Kft, Keszthelyi út 53, Tapolca H-8300, Hungary.**
- Where applicable, name and contact address of the tasks specified in Article 12(2): **not applicable**; and website, where the DoP can be found: **dop.rockwool.com**
- Systems of assessment and verification of constancy of performance of the construction as set out in CPR, Annex V : **system 1 + system 3.**
- Notified certified body. **ÉMI Építésügyi Minőségellenőrző Innovációs Nonprofit Kft., no. 1415** performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance no **1415-CPR-6-(C-41/2012)**
- (not applicable)**
- Declared performance according *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 ¹⁾ |
|--|---|---|--|
| 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 | ^{b)} |
| Thermal conductivity | 4.2.1 Thermal conductivity | Thermal conductivity against high temperature | see Table 2 |
| | 4.2.2.1 Linear dimension | T_i ^{a)} Classes for thickness tolerances - length - width - squareness For pipe section: - Inner diameter - rovnoměrnost 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_p | NPD |
| Water vapour permeability | 4.3.6 Diffusion resistance | μ , MV_i ^{a)} declared | NPD |
| 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_i ^{a)} | NPD NPD |
| Release of dangerous substances to the indoor environment | 4.3.9 Release of dangerous substances | EU level is not yet available | ^{c)} |
| 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(+) ^{a)} declared, °C | 250 |
| Compressive strength | 4.3.4 Compressive stress or compressive strength | CS(10) ^{a)} or CS(Y) ^{a)} declared | NPD |
| Index of sound absorption | 4.3.8. Sound absorption | α_p (AP) ^{a)} a $\alpha_{w,i}$ (AWi) ^{a)} declared | NPD |

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

Table 2

| Coefficient of thermal conductivity λ_D | | | | | | |
|---|-------|----|-------|-----|-----|-------|
| T (°C) | 10 | 50 | 100 | 150 | 200 | 250 |
| λ (W/mK) | 0,036 | -- | 0,047 | -- | -- | 0,073 |

10. The performance of the product identified in point 1 and point 2 is in conformity with declared performance in point 9, *table 1*. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

signed for and on behalf of the manufacturer by:

Frank Christian Bartel
Technical Director



(signature)

Gigacice, 01. 2014