

1. Unique identification code of the product-type: RW-PL-G-1033
2. Type and serial number allowing identification of the product: **See the product label: Fixrock FB1 d=50-220mm, MW-EN 13162-T4-WS-WL(P)-AF4-MU1**
3. Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: **Thermal insulation for building**
4. 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**
5. System of attestation of conformity: *System 1+ System 3*
6. Notified Certification body **ÉMI Építésügyi Minőségellenőrző Innovációs Nonprofit Kft.,** Diószegi út 37, Budapest HU-1113 No. 1415 performed, carried out the initial type testing, 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 CE Certificate of Conformity No **1415-CPD-35-(C-7/2010)**
7. Declared Performance: **Fixrock FB1 d=50-220mm; MW-EN 13162-T4-WS-WL(P)-AF4-MU1**

| Essential Characteristics   | Clauses in this and other European standard(s) related to essential characteristics   | Harmonized standard EN 13162:2008   | Declared value / NPD <sup>1)</sup> |
|---|---|---|------------------------------------|
| Reaction to fire  | 4.2.8 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  | <sup>a)</sup>                      |
| Acoustic absorption index   | 4.3.11 Sound absorption   | $\alpha_p$ (AP <sup>®</sup> ) and $\alpha_w$ (AW <sup>®</sup> ) declared                                    | NPD                                |
| Impact noise transmission index (for floors)                                  | 4.3.9 Dynamic stiffness   | $s'$ , SDP <sup>®</sup> declared  | NPD                                |
|   | 4.3.10.1 Thickness, $d_t$   | $d_t$ declared and classes for thickness tolerances T6 or T7  | NPD                                |
|   | 4.3.10.3 Compressibility $c$  | CP <sup>®</sup> declared  | NPD                                |
|   | 4.3.12 Air flow resistivity   | AF <sub>r</sub> <sup>®</sup> declared. Direct airborne sound insulation index                               | 4 kPa s/m <sup>2</sup>             |
| Direct airborne sound insulation index  | 4.3.12 Air flow resistivity   | AF <sub>r</sub> <sup>®</sup> declared.  | NPD                                |
| Continuous glowing combustion   | 4.3.15 Continuous glowing combustion  | EU level not yet available  | <sup>a)</sup>                      |
| Thermal resistance  | 4.2.1 Thermal resistance and thermal conductivity                                     | Declared R and $\lambda$ if possible  | See table 1<br>0,039 W/m K         |
|   | 4.2.3 Thickness   | T <sup>®</sup> class for thickness tolerance  | T4                                 |
| Water permeability  | 4.3.7.1 Short term water absorption   | WS- declared $W_{s,0}$  | NPD                                |
|   | 4.3.7.2 Long term water absorption  | WL(P)-declared $W_{l,0}$  | NPD                                |
| Water vapour permeability   | 4.3.8 Water vapour transmission   | Declared $\mu$ ; (MU <sup>®</sup> ) or Zi <sup>®</sup>  | NPD                                |
| Compressive strength  | 4.3.3 Compressive stress or compressive strength                                      | CS(10) <sup>®</sup> or CS(10\Y) <sup>®</sup> declared   | NPD                                |
|   | 4.3.5 Point load  | PL(5) <sup>®</sup> declared   | NPD                                |
| Durability of reaction to fire against heat, weathering, ageing/degradation   | 4.2.9.2 Durability of reaction to fire  | Reaction to fire against ageing   | not change with time               |
| Durability of thermal resistance against heat, weathering, ageing/degradation | 4.2.1 Thermal resistance and thermal conductivity                                     | Declared R and $\lambda$ if possible  | not change with time               |
|   | 4.2.6 Dimensional stability for 48h exposure at (23±2)°C and 90±5% relative humidity: | The relative changes in thickness   | ≤ 1,0%                             |
|   | 4.3.2.1 Dimensional stability at specified temperature                                | DS(T+) declared<br>The relative changes in thickness  | NPD                                |
|   | 4.3.2.2 Dimensional stability under specified temperature and humidity conditions     | DS(TH) declared<br>The relative changes in thickness  | NPD                                |
|   | 4.2.9 Durability characteristics  | 4.2.1, 4.2.2, 4.2.6 EN 13162:2008   | not change with time               |
| Tensile/Flexural strength   | 4.2.7 Tensile strength parallel to faces  | $\alpha_t$ declared, high enough to support twice the weight of the full-size product                       | OK                                 |
|   | 4.3.4 Tensile strength perpendicular to faces   | TRI <sup>®</sup> declared   | NPD                                |
| Durability of compressive strength against ageing/degradation                 | 4.3.6 Compressive creep   | CC( $l_1$ <sup>a)</sup> / $l_2$ <sup>a)</sup> ) $\sigma_c$ compressive creep declared $X_{c1}$ and $X_{c2}$ | NPD                                |

<sup>1)</sup> no performance determined

<sup>a)</sup> "r" Indicates relevant class of level or declared value

<sup>b)</sup> national regulations not available

<sup>c)</sup> according to national regulations; see: Safety Use Instruction Sheet

Table 1

| Thermal resistance, $R_D$ |    |    |    |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------|----|----|----|------|------|------|------|------|------|------|------|------|------|------|
| d(mm)                     | 20 | 30 | 40 | 50   | 60   | 80   | 100  | 110  | 120  | 140  | 160  | 180  | 200  | 220  |
| $R_D(m^2K/W)$             | —  | —  | —  | 1,25 | 1,50 | 2,05 | 2,55 | 2,80 | 3,05 | 3,55 | 4,10 | 4,60 | 5,10 | 5,60 |

NOTE: R value for thickness not seen in Table 1, is available on product label

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Frank Christian Bartel  
Technical and Production Director



Signature

Tapolca, 01. 07. 2013.