

Declaration of Performance No: RWDOPBNL-810-001-02

1. Unique identification code of the product-type: ROCKWOOL 810
2. Type, batch or serial number or any other element allowing identification of the construction product as required under article 11(4) of the CPR: See product label.
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: Thermal insulation of building equipment and industrial installations (ThIBEII).
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under article 11(5): ROCKWOOL B.V., Industrieweg 15, 6045 JG Roermond (NL)
5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in article 12(2): Not relevant.
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: Systems 1 and 3.
7. In case of the declaration of performance concerning a construction product covered by a harmonized standard: Notified Certification body No. 0751 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 for reaction to fire.
Notified testing laboratories No. 0751 and No. 0432 performed the test reports for the other relevant declared characteristics.
8. Declared Performance:

Essential Characteristics		Performance	Harmonized technical specification EN14303:2009:A1:2013
Reaction to Fire		$D_0 \leq 300$ mm: A2L-s1,d0; $D_0 > 300$ mm: A2-s1,d0	EN 13501-1:2007
Acoustic absorption index		Sound absorption: NPD	
Thermal resistance	Thermal conductivity See table 2		
	Thickness	$D_0 < 150$ mm, Tolerance Class: T8 $D_0 \geq 150$ mm, Tolerance Class: T9	
Water permeability		Water absorption: WS1 (≤ 1 kg/m ²)	
Water vapour permeability		Water vapour diffusion equivalent air layer thickness: NPD	
Compressive strength		Compressive stress at 10% deformation: NPD	
Rate of release of corrosive substances		Trace quantities of water-soluble chloride ions: CL10 (≤ 10 ppm) pH-value: NPD	
Release of dangerous substances		NPD	
Continuous glowing combustion		NPD	
Durability of reaction to fire against ageing / degradation		NPD	
Durability of thermal resistance against ageing / degradation		NPD	
Durability of reaction to fire against high temperature		NPD	
Durability of thermal resistance against high temperature		Maximum service temperature: ST (+)250 (= 250 °C)	

	10°C	50°C	100°C	150°C
Lambda curve 1	0,033 W/mK	0,037 W/mK	0,044 W/mK	0,052 W/mK
Lambda curve 2	0,034 W/mK	0,039 W/mK	0,046 W/mK	0,056 W/mK

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. 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 (digital signature):

W.J.E. Dumoulin
Roermond, 3-9-2015



Table 2

Ø mm	Insulation thickness mm							
	25	30	40	50	60	70	80	100
18	1	1						
22	1	1	1	2				
28	1	1	1	2			2	
35	1	1	1	2			2	
42	1	1	1	2	2		2	
48	1	1	2	2				
54	1	1	1	2				
57	1	1	1	2	2		2	
60	1	1	1	1	2		2	2
64	1	2	2	2	2		2	
70	2	1	1	2	2		2	2
76	1	1	1	1	1		2	
83	1	2	2	2	2		2	
89	1	1	1	1	2	2	2	2
102	1	2	2	1	2		2	
108	1	2	2	2	2	2	2	
114	1	1	1	1	1	2	2	2
121	2	2	2	2	1		2	
127	1	1	2	1	2	2		
133	2	1	2	2	2	2	2	
140	2	2	1	1	1	2	2	
159	2	1	2	2	2	2	2	2
169	2	1	1	1	2	2	2	2
178	2	2	2	2	2			
194	2	2	2	2	2			
219	2	2	2	2	2	2	2	
230		2		2	2		2	
245		2	2	2	2	2	2	
253								
267		2	2				2	
273		2	2	2	2	2		
280								
305		2	2	2			2	
324			2	2	2	2		
356								
406			2					