

**Aleternum B4**

This document is issued under the provisions of Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011.

1. Unique identification code of the product-type:

**Aleternum B4**

Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Model		Distances between centres (mm)
<b>Aleternum B4</b>	350/100	350
	500/100	500
	600/100	600
	700/100	700
	800/100	800

Brandname: **Fondital**

2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

***Metallic radiators and convectors installed in a permanent manner in construction works, fed with water or steam at temperatures below 120 °C, supplied by a remote heat source.***

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11:

***Fondital Spa  
Via Cerreto, 40  
25079 Carpeneda di Vobarno BS  
Italy***

4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12: -----

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **System 3**

6. Type tests pursuant to EN 442 standard (**system 3**) carried out by:

***Politecnico di Milano, Laboratorio M.R.T., Notified Body n°1695***

7. Declared performance


Characteristic		Performance					Harmonized technical specification
Reaction to fire		A1					EN 442-1:2014
Release of dangerous substances		None					
Pressure tightness		Pass (2400 kPa)					
Surface temperature		120 °C maximum, corresponding to water flow temperature					
Maximum operating pressure		1600 kPa					
Resistance to pressure		Pass (3200 kPa)					
Rated thermal outputs W		Distance between centres					
		350	500	600	700	800	
	φ <sub>30</sub>	<b>47,2</b>	<b>64,1</b>	<b>74</b>	<b>83,1</b>	<b>91,1</b>	
	φ <sub>50</sub>	<b>89,9</b>	<b>123,8</b>	<b>143,6</b>	<b>161,3</b>	<b>177,7</b>	
	Km	0,6506	0,7991	0,8950	0,9986	1,0635	
	n	1,2598	1,2890	1,2981	1,2998	1,3085	
Thermal output in different operating conditions ( <i>characteristic curve</i> )		$\phi = Km \times \Delta T^n$					
Durability:							
Resistance against corrosion		No corrosion after 200 h humidity					
Paint resistance		Class 0					

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

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:  
**Fondital S.p.A.**

**Ing. Cavallini Roberto**  
**Technical Department Manager**

Nr. Revisione 01	Carpineda di Vobarno, 20/10/16	
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