

## 9. Declared performance

Essential characteristics		Performance						Harmonised technical specification
Reaction to fire		A1						EN 442-1:2014
Release of hazardous substances		None						EN 442-1:2014
Pressure tightness		No leakage at 2080 kPa						EN 442-1:2014
Surface temperature		Below 120°C						EN 442-1:2014
Max. operating pressure		1600 kPa						EN 442-1:2014
Resistance to pressure		No breakage at 2700 kPa						EN 442-1:2014
Rated thermal output	Pipe centres	800	700	600	500	350	200	EN 442-1:2014
	$\Phi_{\Delta t 30} =$	92 W	83 W	75 W	65 W	49 W	32 W	
	$\Phi_{\Delta t 50} =$	181 W	164 W	146 W	127 W	95 W	62 W	
Thermal output in different operating conditions (characteristic curve)	Characteristic equation	$\Phi = K_m \times \Delta t^n$						
	Km=	0.97001	0.90292	0.86156	0.76989	0.62313	0.42689	
	n=	1.33709	1.32938	1.31199	1.30495	1.28445	1.27201	
Durability as:		Resistance against corrosion			No corrosion after 200 hours in a humidity test chamber			EN 442-1:2014
		Painting resistance (Cross-cut test)			Class 0			

Notes to the table:

- Column 1 shall contain the list of essential characteristics as determined in the harmonised technical specification for the intended use(s) referred to in point 3;
- For each characteristic listed in column 1 and in accordance with the requirements of Article 6, column 2 shall contain the declared performance, expressed in terms of level, class or by means of a description, in relation to the corresponding essential characteristics. The letters 'NPD' (No Performance Determined) where no performance is declared;
- For each essential characteristic listed in column 1, column 3 shall contain:
  - a) the dated reference of the corresponding harmonised standard and, where relevant, the reference number of the specific technical documentation or the appropriate technical documentation used;
  - or
  - b) the dated reference of the corresponding European Assessment Document, if available, and the reference number of the European Technical Assessment used.

Where specific technical documentation has been used, in accordance with Article 37 or 38, the requirements which the product meets:

**NA**

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