

# BristanGroup

A MASCO COMPANY

## EU Declaration of Performance

*In accordance with the EU Construction Products Regulation 305-2011*

15015-0501-D1

- 1. Product Type:** Radiator/Convactor  
**1a. Equipment Type:** Heated Towel Rails  
**1b. Product Range:** Bristan & Heritage  
**1c. Model Numbers:** AHC70, AHA70, AHC72, AHC73, AHA73, AHC74, AHC76, AHA76, AHC77, AHC79, AHA80, AHC80, AHC90, AHC94, AHC102, AHC103, AHC101, DELTA, CALLISTO, LUNAR
- 2. Type, batch or serial number:** N/A
- 3. Intended Use:** Heat emitters for central heating systems to be supplied with hot water and steam below 120°C from a remote source (boiler or similar)
- 4. Manufacturer:** Bristan Group Limited  
Birch Coppice Business Park, Dordon, Tamworth, B78 1SG, UK
- 5. Authorised Representative: N/A*
- 6. System of assessment and verification of constancy of performance:**  
System 3
- 7. Harmonised Standards applied in order to demonstrate compliance with the above Regulation:**  
EN 442-1:1995+A1:2003
- 7.1 Notified Body:** HLK 0626  
**7.1.1 Performed:** Determination of the product-type on the basis of type testing  
**7.1.2 System:** System 3  
**7.1.3 Issued:** Notified Body Test Report, Certificate from the NB, FPC  
Certificate of performance, test/calculation reports
- 8. European Technical Assessment: N/A*

Ref: 15002-0502-D1

## 9. Declared Performance:

Essential Characteristics	Performance		Harmonised Technical Specification
Reaction to fire	Class A1		EN 442-1, 5.1.7
Release of dangerous substances	Conforms		EN 442-1, Clause 4 and ZA.1
Pressure tightness	Leak Test Pass		EN 442-1, 5.2 EN 442-1, 5.3
	Burst test to 910 kPa		
Surface temperature	Pass	-	-
Rated thermal output	AHC70, AHA70	176 W	EN 442-1, Clause 6
	AHC72	325 W	
	AHC73, AHA73	686 W	
	AHC74/CALLISTO	227 W	
	AHC76, AHA76	155 W	
	AHC77/LUNAR	280 W	
	AHC79	136 W	
	AHC80, AHA80	391 W	
	AHC90	631 W	
	AHC94	139 W	
	AHC101	527 W	
	AHC102	635 W	
	AHC103	165 W	
	DELTA	515 W	
Thermal output in different operating conditions (characteristic curve)	AHC70	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 1.3069$ $n = 1.2529$ $\Delta T = 50K$	EN 442-1, Clause 6
	AHC71	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 1.3501$ $n = 1.2535$ $\Delta T = 50K$	
	AHC72	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 2.4484$ $n = 1.2493$ $\Delta T = 50K$	
	AHC73 / AHA73	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 5.2586$ $n = 1.2451$ $\Delta T = 50K$	
	AHC74 / CALLISTO	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 1.8532$ $n = 1.2290$ $\Delta T = 50K$	
	AHC76 / AHA76	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 1.4468$ $n = 1.1956$ $\Delta T = 50K$	

Ref: 15002-0502-D1

	AHC77 / LUNAR	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 2.5277$ $n = 1.2030$ $\Delta T = 50K$	
	AHC79	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 1.1547$ $n = 1.195$ $\Delta T = 50K$	
	AHC80	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 2.9496$ $n = 1.2490$ $\Delta T = 50K$	
	AHC90	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 1.4606$ $n = 1.5513$ $\Delta T = 50K$	
	AHC94	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 1.1884$ $n = 1.2451$ $\Delta T = 50K$	
	AHC101	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 4.1463$ $n = 1.2384$ $\Delta T = 50K$	
	AHC102	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 4.7173$ $n = 1.2533$ $\Delta T = 50K$	
	AHC103	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 1.2996$ $n = 1.2379$ $\Delta T = 50K$	
	DELTA	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 3.9646$ $n = 1.2441$ $\Delta T = 50K$	
<b>Durability</b>	Pass		<b>EN 442-1, Clause 4</b>

Ref: 15002-0502-D1

## 10. Declaration:

The performance of the product identified in points 1 & 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.

**Authorised Signatory on  
behalf of the manufacturer:**

  
-----



**Name:** Dominic West  
**Position:** Supply Chain & Operations Director  
**Company:** Bristan Group Limited  
**Issue Date:** 09/06/2017  
**At:** Bristan Group Ltd, Tamworth, B78 1SG, UK

### Information on the Content of Hazardous Substances in the Construction Product

As required by EU CPR Regulation 305-2011  
As identified by Articles 31 & 33 of the EU REACH Regulation 1907-2006

**Equipment Type:** Heated Towel Rails  
**Product Range:** Bristan & Heritage  
**Model Numbers:** AHC70, AHA70, AHC72, AHC73, AHA73, AHC74, AHC76, AHA76,  
AHC77, AHC79, AHA80, AHC80, AHC90, AHC94, AHC102, AHC103,  
AHC101, DELTA, CALLISTO, LUNAR

**Manufacturer:** Bristan Group Limited  
Birch Coppice Business Park, Dordon, Tamworth, B78 1SG, UK

**Safety Data Sheets:** *N/A (product is an "Article", not a "Substance" or "Preparation")*

#### **Substance of Very High Concern (SVHC):**

The products identified above contain no SVHCs as per the Candidate List at date of issue of this document at a concentration above 0.1% weight by weight (w/w).

**Ref:** 15002-0502-D1