



**NATIONAL DECLARATION OF PERFORMANCE**

**No. 02/2019**



**1. The name and trade name of the construction product:**

COMBO manifolds

**2. The designation of the type of the construction product:**

Manifolds with integrated mixing and pumping system

**3. Intended use or uses:**

COMBO manifolds are designed to separate the heating medium into individual sections and maintaining a constant temperature of the heating medium in surface heating and cooling systems. The heating medium can be water or a mixture of water and glycol (with a maximum glycol concentration of 50%).

**4. Name and address of the manufacturer and the place of manufacture of the product:**

CAPRICORN S.A.  
58-160 Świebodzice  
Ciernie 11  
Poland

**5. Name and address of the authorized representative, as long as it was established:**

not applicable.

**6. Applied national system of assessment and verification of constancy of performance:**  
system 4.

**7. National technical specification:**

**National Technical Assessment:**

National Technical Assessment ITB-KOT-2019/0921 - edition 1 - CAPRICORN manifolds and mixing sets for radiator and surface heating installations.

**The technical assessment unit/ The National Unit of technical assessment:**

Instytut Techniki Budowlanej  
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00-611 Warszawa

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NIP: 884-002-16-00, Regon: 891489258  
Sąd rejonowy dla Wrocławia-Fabryczna we Wrocławiu  
IX Wydział Gospodarczy KRS: 0000472600,  
Wysokość kapitału zakładowego: 400 tys. PLN

ALIOR BANK S.A SWIFT (BIC) ALBPPLPW  
IBAN: PL49 1060 0076 0000 3210 0015 3728 ( WALUTA PLN)  
IBAN: PL65 1060 0076 0000 3210 0015 3731 (WALUTA EUR)  
IBAN: PL95 1060 0076 0000 3210 0015 3773 ( WALUTA USD)



**8. Declared performance:**

The essential characteristics of the product for the intended use or uses:	Declared performance:	Comments
Properties of lacquer coating	Minimum thickness 60 µm	-
	0 degree of adhesion	PN-EN ISO 2409:2013
Tightness	Tight, no leaks and damage	-
Tightness under maximum operating conditions	Tight, no leaks and damage	-
Hydraulic characteristics of COMBO manifolds, with pressure decreasing of 1 bar and with fully open valves, expressed with Kv parameter	≥3,89 m <sup>3</sup> /h	-
The maximum operating temperature of manifolds for surface heating system	70°C	-
The maximum operating pressure of distributors for surface heating system	0.7 MPa	-

9. The performance of the product identified above are compatible with all declared performances listed in section 8. This national declaration of performance is issued in accordance with the Law Act of 16 April 2004 on the construction product, with the sole responsibility of the manufacturer.

10. The concentration of the substance referred to in Article 31 or Article 33 of Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 does not exceed in the product 0.1% by weight.

On behalf of the producer signed by:

Monika Piekarz  
Board Member of Production

CAPRICORN S.A.  
Członek Zarządu ds. Produkcji



(Signature)

Świebodzice, 3.09.2019  
(Place and date of issue)