

Declaration of performance according to Construction Product Regulation (EU 305/2011)

Number **ACOVA MADRAS 1031-0020**

1. Unique identification code of the product-type:

1031-0020

1031-0020-9007

1031-0020-9005

1031-0020-0346

1031-0020-0847

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

in heating systems in buildings

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Zehnder Group Bolesławiec Sp. z o.o.

ul. Modłowa 5

59-700 Bolesławiec

4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

None

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. a) In case of the declaration of performance concerning a construction product under system 3 covered by a harmonised standard:

WSP Lab, DE-70374 Stuttgart,(N.B. 1428)

has assessed and evaluated the product under system 3 and issued the following report:

14.50.ZEP.065

(description of the third party tasks as set out in Annex V)

(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports – as relevant)

6. b) In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

7. Declared performance

Harmonized technical specification according to EN 442-1:2014

Essential characteristics	Performance
Reaction to fire	A1
Release of dangerous substances	None
Maximal operating pressure (MOP)	600 kPa
Pressure tightness	no leakage at 1,30 x MOP
Resistance to pressure	no breakage at 1,69 x MOP
Surface temperature	maximum 95 °C
Rated thermal output	$\Phi_{30} = 273 \text{ W}$
Rated thermal output	$\Phi_{50} = 516 \text{ W}$
Thermal output in different operating conditions (characteristic curve)	$\Phi = 4.00 \times \Delta T^{1,24}$
Resistance against corrosion	no corrosion after 100 h humidity test
Resistance against minor impact	Class 0

8. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

DYREKTOR

 Piotr Kościsz

Bolesławiec, 26.01.2021