

## DECLARATION OF PERFORMANCE

### N° 07-CPR-DP2550

- 1) Unique identification code of the product-type:  
**Metal chimney system “ECO 50”**
- 2) Intended use of the product, in conformity with the applicable standard:  
**Metal chimney to convey the products of combustion from heating appliances to the outside atmosphere.**
- 3) Name and address of the Manufacturer: **M.T. s.r.l.**  
**Manufacturing site: Via I° Maggio 19, 31040 Giavera del Montello (Treviso) - Italy**  
**Registered office: Via Castel di Sotto 2, 31040 Giavera del Montello (Treviso) – Italy**
- 4) Name and address of the authorized representative or representative: **Not applicable**
- 5) System of assessment and verification of constancy of the product performance (VVCP): **System 2+ and 4.**
- 6) The notified certification body Kiwa Cermet Italia S.p.a., with identification number 0476, performed under the system 2+ the initial inspection of the manufacturing plant in the factory and carries out the continuous surveillance activity for the assessment and verification of the factory production control, issuing a certificate of conformity of the factory production control according to the EN1856-1: 2009 standard.
- 7) Appropriate technical documentation and / or specific technical documentation: **Not applicable.**
- 8) Declared performance according to the harmonized standard EN 1856-1:2009:

|                       |                             |           |          |           |               |             |
|-----------------------|-----------------------------|-----------|----------|-----------|---------------|-------------|
| <i>Designation 1:</i> | <b>EN1856-1:2009 - T200</b> | <b>P1</b> | <b>W</b> | <b>V2</b> | <b>L50050</b> | <b>Oxx</b>  |
| <i>Designation 2:</i> | <b>EN1856-1:2009 - T200</b> | <b>N1</b> | <b>D</b> | <b>V2</b> | <b>L50050</b> | <b>Oxx</b>  |
| <i>Designation 3:</i> | <b>EN1856-1:2009 - T600</b> | <b>N1</b> | <b>D</b> | <b>V2</b> | <b>L50050</b> | <b>Oyy</b>  |
| <i>Designation 4:</i> | <b>EN1856-1:2009 - T600</b> | <b>N1</b> | <b>D</b> | <b>V2</b> | <b>L50050</b> | <b>GzzM</b> |

As for the mandatory distances from combustible materials, they vary according to the nominal internal diameter of the chimney in question, according to the following scheme:

| NOMINAL<br>DIAMETER (mm) | Distance under normal<br>operating conditions (xx)<br>in mm | Distance under normal<br>operating conditions (yy)<br>in mm | Distance in conditions of<br>soot fire (zz) in mm |
|--------------------------|---|---|---|
| D.100 to D.300           | 10  | 30  | 30M   |
| D.301 to D. 450          | 15  | 45  | 45M   |
| D.451 to D.600           | 20  | 60  | 60M   |
| Above D.600              | 40  | 120   | 120M  |

| Essential Characteristics                                      | Performance   | Harmonized<br>technical<br>standard |
|--|---|-------------------------------------|
| Nominal diameters of the<br><b>chimney system ECO 50</b> (mm): | Ø 100, 130, 150, 180, 200, 250, 300, 350, 400, 450, 500,<br>600, 700, 750, 800.   | <b>EN 1856-1:2009</b>               |
| Type of material   | Inner wall: Stainless steel AISI 316L, thick. 5/10;<br>Outer wall: Stainless steel AISI 304 or Copper, thick. 5/10.   |                                     |
| Compressive strength   | Positive outcome. Chimney supports resistant to<br>compressive strength according to Par. 6.2.1.2 of the<br>standard, both stainless steel and copper.                                |                                     |
| Soot fire resistance   | Related to the nominal diameter (see table on page 1):<br>Designations 1 and 2: O10, O15, O20, O40;<br>Designation 3: O30, O45, O60, O120;<br>Designation 4: G30M, G45M, G60M, G200M. |                                     |
| Gas tightness  | Designation 1: P1;<br>Designations 2-4: N1.   |                                     |
| Roughness coefficient  | 1 mm (declared).  |                                     |
| Flow resistance of the<br>components                           | According to EN13384-1.   |                                     |
| Thermal resistance   | 0,56 m²K/W, declared.   |                                     |
| Thermal shock resistance                                       | Positive outcome: class G.  |                                     |
| Non vertical installation                                      | Yes, maximum angle 90°.   |                                     |
| Components subjected to wind<br>load                           | Distance between consecutive vertical supports: 2 meters  |                                     |
| Vapour and condensate<br>durability                            | Positive outcome: class W.  |                                     |
| Durability against corrosion                                   | Class V2.   |                                     |
| Freeze thaw resistance   | Yes.  |                                     |

The performance of the product identified above is in conformity with the set of declared performance. This declaration of responsibility is issued, in accordance with Regulation (UE) No. 305/2011 and delegated regulation No. 574/2014 - Annex III, under the sole responsibility of the manufacturer identified at Par. 4.

Signed for and on behalf of the manufacturer by Mr. Romano Caoduro, Sole Administrator of company M.T. s.r.l.

Giavera del Montello, 01/01/2024

**M.T. s.r.l.**  
Amministratore Unico  
*Romano Caoduro*