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| Declaration of Performance | Metaloterm® XD | | EN | 1/2 |
| No. 4922 | EN 1856-2:2009 | | XD_DoP_4922_EN_E | |

1. Unique identification code of the product-type:

Flexible stainless steel chimney system - Metaloterm® XD according to EN 1856-2:2009

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Model 1 DN (ø100-200) EN 1856-2 T200 P1 W V2 L50012 0

Model 2 DN (ø100-200) EN 1856-2 T600 N1 W V2 L50012 G

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

Convey the products of combustion from heating appliances to the chimney

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

Tubest S.A.S.
 ZID de l'Omois Epaux-Bezu
 02400 Chateau-Thierry
 France
 T: +33 (0)3 23 69 61 80
 F: +33 (0)3 23 69 61 89
 E: info@tubest.com

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

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 2+ and System 4



Via Cadriano, 23 - 40057
 Granarolo dell'Emilia (BO)
 Italia

7. Notified factory production control certification body No. 0476 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity **0476-CPR-4922** of the factory production control.

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

Not applicable

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9. Declared performance

| | Essential Characteristics | Performance | Harmonized technical specification |
|------|---|--|---|
| 9.1 | Compressive strength Chimney sections, fittings and supports | Sections and fittings: Model 1 to 2 DN (100- 200): up to 60 m For further information see www.metaloterm.com | EN 1856-2:2009 |
| 9.2 | Resistance to fire | (Resistance to fire from inside to outside) Model 1 DN (100- 200): T200 – 0 Model 2 DN (100- 200): T600 – G Tested without cover, with back ventilated ceiling duct | EN 1856-2:2009 |
| 9.3 | Gas tightness/leakage | Model 1 DN (100-200): P1 Model 2 DN (100-200): N1 | EN 1856-2:2009 |
| 9.4 | Flow resistance of chimney sections fittings and terminals | According to EN 13384-1 | EN 1856-2:2009 |
| 9.5 | Thermal resistance | Model 1 to 2 DN (100-200): 0,0 m ² K/W | EN 1856-2:2009 |
| | Thermal shock resistance | | |
| 9.6 | Sootfire resistance | Model 1 DN (100-200): No* Model 2 DN (100-200): Yes * because designated 0 | EN 1856-2:2009 |
| 9.7 | Thermal performance under normal operating conditions | Model 1 DN (100-200): T200 Model 2 DN (100-200): T600 | EN 1856-2:2009 |
| 9.8 | Flexural tensile strength (only for means of connection for chimney sections and fittings) | Model 1 to 2 DN (100- 200): up to 60 m | EN 1856-2:2009 |
| 9.9 | Non vertical installation | N.p.d. | EN 1856-2:2009 |
| 9.10 | Components subject to wind load | N.p.d. | EN 1856-2:2009 |
| | Durability: | | |
| 9.11 | Water and vapour diffusion resistance | Yes if W | EN 1856-2:2009 |
| 9.12 | Condensate penetration resistance | Model 1 DN (100-200): Yes Model 2 DN (100-200): Yes | EN 1856-2:2009 |
| 9.13 | Against corrosion | Model 1 DN (100-200): V2 Model 2 DN (100-200): V2 | EN 1856-2:2009 |
| 9.14 | Freeze thaw resistance | Model 1 to 2 DN (100-200): Yes | EN 1856-2:2009 |

10. The performance of the product identified in points 1 and 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.

Signed for and on behalf of the manufacturer by:

Middelburg, 2017-04-01



Marco Blaëke
Managing director