



# DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

## EN 14471

### Chimneys - System chimneys with plastic flue liners - Requirements and test methods

Manufacturer: **DINAK**  
 Camiño do Laranxo, 19. 36216, VIGO (SPAIN)

Product commercial name: **DIFLUX POLYPOPRYLENE**

Product description: Double wall plastic chimney

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service GmbH TÜV SÜD Gruppe**

Certificate number: **0036 CPD 90220 017**



Designations according to EN 14471:

|            |   |       |      |    |   |   |   |     |   |   |    |
|------------|---|-------|------|----|---|---|---|-----|---|---|----|
| <b>0.1</b> | <b>Double wall plastic chimney (DN ≤ 160)</b> | EN    | T120 | H1 | O | W | 2 | O00 | E | E | L0 |
|            | Product description                           | 14471 |      |    |   |   |   |     |   |   |    |
|            | Standard number                               |       |      |    |   |   |   |     |   |   |    |
|            | Temperature class                             |       |      |    |   |   |   |     |   |   |    |
|            | Pressure class                                |       |      |    |   |   |   |     |   |   |    |
|            | Sootfire resistance                           |       |      |    |   |   |   |     |   |   |    |
|            | Condensate resistance class                   |       |      |    |   |   |   |     |   |   |    |
|            | Corrosion resistance class                    |       |      |    |   |   |   |     |   |   |    |
|            | Distance to combustible material              |       |      |    |   |   |   |     |   |   |    |
|            | Location                                      |       |      |    |   |   |   |     |   |   |    |
|            | Reaction to fire                              |       |      |    |   |   |   |     |   |   |    |
|            | Enclosures class                              |       |      |    |   |   |   |     |   |   |    |

**Mechanical resistance and stability**

Tensile strength: 30 m.

**Flow resistance**

Inner roughness: 1 mm (according to EN 13384-1 Standard)

Flow resistance coefficients ζ according to EN 13384-1 Standard

**Wet working conditions:** Yes



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Designations according to EN 14471:

|     |  |          |      |    |   |   |   |     |   |   |    |
|-----|--|----------|------|----|---|---|---|-----|---|---|----|
| 0.1 | <b>Double wall plastic chimney (DN &gt; 160)</b> | EN 14471 | T120 | P1 | O | W | 2 | O00 | E | E | LO |
|     | Product description                              |          |      |    |   |   |   |     |   |   |    |
|     | Standard number                                  |          |      |    |   |   |   |     |   |   |    |
|     | Temperature class                                |          |      |    |   |   |   |     |   |   |    |
|     | Pressure class                                   |          |      |    |   |   |   |     |   |   |    |
|     | Sootfire resistance                              |          |      |    |   |   |   |     |   |   |    |
|     | Condensate resistance class                      |          |      |    |   |   |   |     |   |   |    |
|     | Corrosion resistance class                       |          |      |    |   |   |   |     |   |   |    |
|     | Distance to combustible material                 |          |      |    |   |   |   |     |   |   |    |
|     | Location   |          |      |    |   |   |   |     |   |   |    |
|     | Reaction to fire                                 |          |      |    |   |   |   |     |   |   |    |
|     | Enclosures class                                 |          |      |    |   |   |   |     |   |   |    |

**Mechanical resistance and stability**

Tensile strength: 30 m.

**Flow resistance**

Inner roughness: 1 mm (according to EN 13384-1 Standard)

Flow resistance coefficients  $\zeta$  according to EN 13384-1 Standard

**Wet working conditions:** Yes

|    | Characteristics                             | Units     | Ref. EN 14471      | Values / Levels  | Remarks              |
|----|---|-----------|--------------------|--|----------------------|
| 1  | Nominal dimensions                          | mm        | 5                  | Inner: 60, 80, 100   |                      |
|    |   |           |                    | Outer: 100, 125, 150   |                      |
| 2  | Material inner wall                         |           |                    |  | RP: TÜV-A 1650-00/07 |
|    | Quality                                     |           |                    | Polypropylene  |                      |
|    | Nominal thickness (minimum thickness)       | mm        |                    | ND 60: 2,0<br>ND 80: 2,0<br>ND 100: 2,2  |                      |
| 3  | Material outer wall                         |           | 6                  | Steel ST 1203  |                      |
|    | Thickness                                   |           |                    | 0,8 mm   |                      |
| 4  | Thermal performance                         |           | 6.2.1              | According to EN 13216-1  | RP: TÜV-A 1650-00/07 |
| 5  | Mechanical behaviour and stability          |           | 6.2.2              | 30 m.  | RP: TÜV-A 1650-00/07 |
| 6  | Wind load resistance                        |           | 6.3<br>7.3         | Non applicable   | RP: TÜV-A 1650-00/07 |
| 7  | Fire resistance                             |           | 6.4                | None   |                      |
| 8  | Gas tightness                               |           | 6.5<br>7.5.1       | Pressure level:<br>DN ≤ 160: H1 (leakage rate <0.006 L/s/m <sup>2</sup> at 5000 Pa)<br>DN > 160: P1 (leakage rate <0.006 L/s/m <sup>2</sup> at 200 Pa) | RP: TÜV-A 1650-00/07 |
| 9  | Recycling                                   |           | 6.5.2              |  |                      |
| 10 | Accidental human contact                    |           | 6.6.1.2<br>7.6.1.2 | Protection in the traffic area needed  | RP: TÜV-A 1650-00/07 |
| 11 | Adjacent combustible materials              |           | 6.6.1.3<br>7.6.1.2 | None   |                      |
| 12 | Thermal resistance                          |           | 6.6.2<br>7.6.2     | None   |                      |
| 13 | Tightness against moisture and condensate   |           | 6.6.3              | The chimney is resistant   |                      |
| 14 | Flow resistance                             |           | 6.6.5<br>7.6.6.1   | According to EN 13384-1  |                      |
| 15 | Long-term resistance to thermal load        |           | 6.7.3<br>7.7.3     | Long-term resistance to thermal load fulfilled   | RP: TÜV-A 1650-00/07 |
| 16 | Long-term resistance to condensate exposure |           | 6.7.4<br>7.7.4     | Long-term resistance to condensate exposure fulfilled  | RP: TÜV-A 1650-00/07 |
| 17 | Resistance to wet/dry cycling               |           | 6.7.5<br>7.7.5     | Resistance to wet/dry cycling fulfilled  | RP: TÜV-A 1650-00/07 |
| 18 | Resistance to ultraviolet radiation (UV)    |           | 6.7.6<br>7.7.6     | Non applicable, because the free end of the plastic flue liner is not more than 0,4 m in length exposed to UV of the sun.                              |                      |
| 19 | Geometrical stability                       |           | 6.7.7<br>7.7.7     | Fulfilled  | RP: TÜV-A 1650-00/07 |
| 20 | Reaction to fire                            |           | 6.7.8<br>4.10      | Fulfilled according to EN 13501-1. Class E   | RP: TÜV-A 1650-00/07 |
| 21 | Seals and sealants                          |           | 6.7.9              | EPDM. Fulfilled according to EN 14241-1  | RP: TÜV-A 1639-00/07 |
|    | Density                                     | g/c<br>m3 |                    | 1,10   |                      |
|    | Hardness                                    | ShA       |                    | 52   |                      |
|    | Lengthening strength to 100%                | MPa       |                    | 1,45   |                      |

Rev.2

|  | <b>Characteristics</b>     | <b>Unit<br/>s</b> | <b>Ref.<br/>EN<br/>14471</b> | <b>Values / Levels</b> | <b>Remarks</b> |
|--|----------------------------|-------------------|------------------------------|------------------------|----------------|
|  | Tensile strength           | MPa               |                              | 12,1                   |                |
|  | Lengthening to<br>breakage | %                 |                              | 489                    |                |
|  | Permanent deformation      | %                 |                              | 22                     |                |
|  | Dimensions                 |                   |                              | 60, 80, 100            |                |



# DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

## EN 1856-1

### Chimneys – Requirements for metal chimneys. Part 1: System chimney products

Manufacturer: **DINAK**  
 Camiño do Laranxo, 19. 36216, VIGO (ESPAÑA)

Product commercial name: **DIFLUX INOX**

Product description: Concentric double wall metal chimney for room-sealed appliances providing the flue gas outlet through the inner wall and the air supply through the outer wall

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service GmbH TÜV SÜD Gruppe**

Certificate number: **0036 CPD 90220 024**



Designations according to EN 1856-1:

| 0.1   | Metal chimney with seal<br>1.4404/316L | EN<br>1856-1 | T200 | P1 | W | V2-L50040 | O(50) |
|---|--|--------------|------|----|---|-----------|-------|
| Product description   |  |              |      |    |   |           |       |
| Standard number   |  |              |      |    |   |           |       |
| Temperature level   |  |              |      |    |   |           |       |
| Pressure level  |  |              |      |    |   |           |       |
| Condensate resistance (W: wet; D: dry)  |  |              |      |    |   |           |       |
| Corrosion resistance and inner wall material                                      |  |              |      |    |   |           |       |
| Sootfire resistance (G: yes; O: no) and distance to combustible materials (in mm) |  |              |      |    |   |           |       |

**Compressive strength**  
Up to 27 m. See Annex

**Flow resistance**  
Inner roughness: 1 mm (according to EN 13384-1 Standard)  
Flow resistance coefficients  $\zeta$  according to EN 13384-1 Standard

**Thermal resistance**  
0 m<sup>2</sup> K / W at reference temperature

**Mechanical resistance and stability**  
Non vertical installation: maximum deflection 90° and maximum length of the slope 1 m.  
Wind load resistance:  
Maximum length between supports 3 m.  
Maximum length from the last support 1,5 m. See Annex

**Wet working conditions:** Yes



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### EN 1856-1

#### Chimneys – Requirements for metal chimneys. Part 1: System chimney products

Manufacturer: **DINAK**  
Camiño do Laranxo, 19. 36216, VIGO (ESPAÑA)

Product commercial name: **DIFLUX INOX**

Product description: Concentric double wall metal chimney for room-sealed appliances providing the flue gas outlet through the inner wall and the air supply through the outer wall

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service GmbH TÜV SÜD Gruppe**

Certificate number: **0036 CPD 90220 024**



Designations according to EN 1856-1:

| 0.1   | Metal chimney with seal<br>1.452 /444 | EN<br>1856-1 | T200 | P1 | W | V2-L99040 | O(50) |
|---|---------------------------------------|--------------|------|----|---|-----------|-------|
| Product description   |                                       |              |      |    |   |           |       |
| Standard number   |                                       |              |      |    |   |           |       |
| Temperature level   |                                       |              |      |    |   |           |       |
| Pressure level  |                                       |              |      |    |   |           |       |
| Condensate resistance (W: wet; D: dry)  |                                       |              |      |    |   |           |       |
| Corrosion resistance and inner wall material                                      |                                       |              |      |    |   |           |       |
| Sootfire resistance (G: yes; O: no) and distance to combustible materials (in mm) |                                       |              |      |    |   |           |       |

**Compressive strength**  
Up to 27 m. See Annex

**Flow resistance**  
Inner roughness: 1 mm  
(according to EN 13384-1  
Standard)  
Flow resistance coefficients  $\zeta$   
according to EN 13384-1  
Standard

**Thermal resistance**  
 $0 \text{ m}^2 \text{ K} / \text{W}$  at reference  
temperature

**Mechanical resistance and stability**  
Non vertical installation: maximum  
deflection  $90^\circ$  and maximum  
length of the slope 1 m.  
Wind load resistance:  
Maximum length between  
supports 3 m.  
Maximum length from the last  
support 1,5 m. See Annex

**Wet working conditions:** Yes



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## EN 1856-1

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Certificate number: **0036 CPD 90220 024**



Designations according to EN 1856-1:

| 0.1   | Metal chimney with seal<br>1.4162/S32101 | EN<br>1856-1 | T200 | P1 | W | V2-L99050 | O(50) |
|---|--|--------------|------|----|---|-----------|-------|
| Product description   |  |              |      |    |   |           |       |
| Standard number   |  |              |      |    |   |           |       |
| Temperature level   |  |              |      |    |   |           |       |
| Pressure level  |  |              |      |    |   |           |       |
| Condensate resistance (W: wet; D: dry)  |  |              |      |    |   |           |       |
| Corrosion resistance and inner wall material                                      |  |              |      |    |   |           |       |
| Sootfire resistance (G: yes; O: no) and distance to combustible materials (in mm) |  |              |      |    |   |           |       |

**Compressive strength**  
Up to 27 m. See Annex

**Flow resistance**  
Inner roughness: 1 mm (according to EN 13384-1 Standard)  
Flow resistance coefficients  $\zeta$  according to EN 13384-1 Standard

**Thermal resistance**  
0 m<sup>2</sup> K / W at reference temperature

**Mechanical resistance and stability**  
Non vertical installation: maximum deflection 90° and maximum length of the slope 1 m.  
Wind load resistance:  
Maximum length between supports 3 m.  
Maximum length from the last support 1,5 m. See Annex

**Wet working conditions:** Yes



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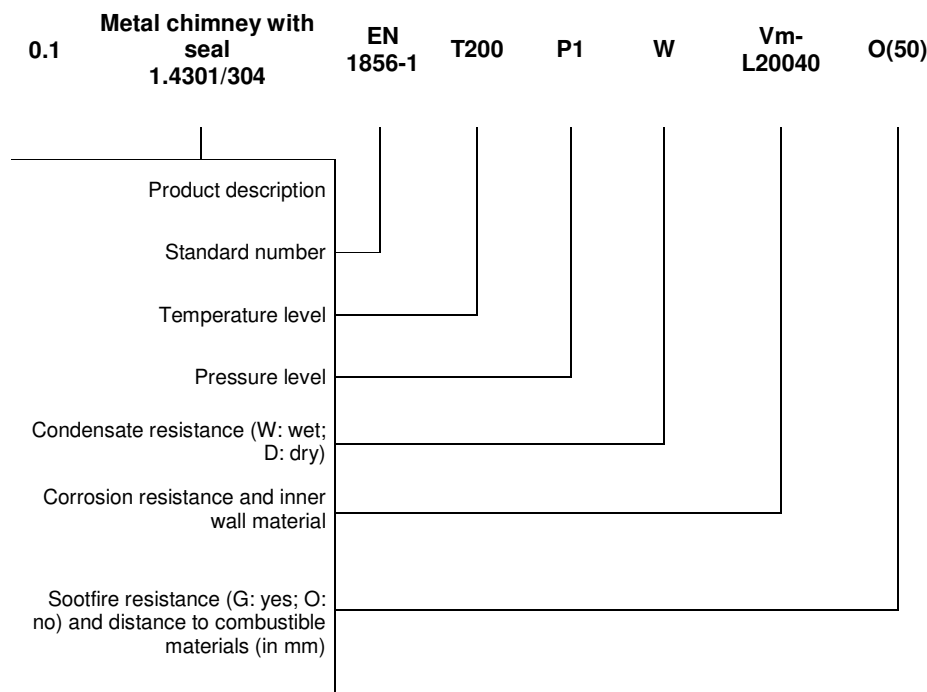
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Notified Body: **TÜV Industrie Service GmbH TÜV SÜD Gruppe**

Certificate number: **0036 CPD 90220 024**



Designations according to EN 1856-1:



**Compressive strength**  
Up to 27 m. See Annex

**Flow resistance**  
Inner roughness: 1 mm (according to EN 13384-1 Standard)  
Flow resistance coefficients ζ according to EN 13384-1 Standard

**Thermal resistance**  
0 m<sup>2</sup> K / W at reference temperature

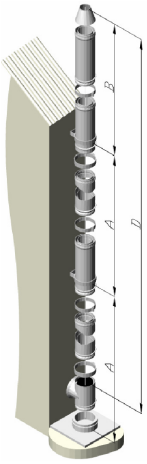
**Mechanical resistance and stability**  
Non vertical installation: maximum deflection 90° and maximum length of the slope 1 m.  
Wind load resistance:  
Maximum length between supports 3 m.  
Maximum length from the last support 1,5 m. See Annex

**Wet working conditions:** Yes

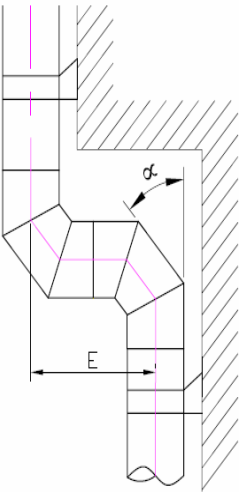


|      | Characteristics                              | Units                 | Ref. EN 1856-1 | Values / Levels   |              |                 |              | Remarks                  |
|------|--|-----------------------|----------------|---|--------------|-----------------|--------------|--------------------------|
| 1.0  | Nominal dimensions                           | mm                    | 4, 5           | 80, 100, 130  |              |                 |              | See Annex                |
| 2.0  | Inner/outer diameter                         |                       |                | 80/125, 100/150, 130/200  |              |                 |              |                          |
| 3.0  | Inner diameter (minimum)                     | mm                    | 4, 5           | 78,4; 98,4; 128,4   |              |                 |              |                          |
| 4.0  | Inner wall material                          |                       | 4, 5, 6.5.2    |   |              |                 |              |                          |
|      | Quality                                      |                       |                | 1.4404 / 316L   | 1.4521 / 444 | 1.4162 / S32101 | 1.4301 / 304 |                          |
|      | Nominal thickness (minimum thickness)        | mm                    |                | 0,4 (0,34)  | 0,4 (0,34)   | 0,5 (0,44)      | 0,4 (0,34)   |                          |
|      | Description according to EN 1856-1           |                       |                | L50040  | L99040       | L99050          | L20040       |                          |
| 5.0  | Outer wall material                          |                       | 4, 5, 6.5.2    |   |              |                 |              |                          |
|      | Quality                                      |                       |                | 1.4301 / 304  |              | 1.4404 / 316L   |              |                          |
|      | Nominal thickness (minimum thickness)        | mm                    |                | 0,4 (0,34)  |              | 0,4 (0,34)      |              |                          |
|      | Description according to EN 1856-1           |                       |                | L20040  |              | L50040          |              |                          |
|      | Quality                                      |                       |                | 1.4521 / 444  | 1.4509 / 441 | 1.4075 / 430    |              |                          |
|      | Nominal thickness (minimum thickness)        | mm                    |                | 0,4 (0,34)  | 0,4 (0,34)   | 0,4 (0,34)      |              |                          |
|      | Description according to EN 1856-1           |                       |                | L99040  | L99040       | L99040          |              |                          |
| 6.0  | Insulation                                   |                       | 7.2            | None  |              |                 |              |                          |
| 7.0  | Seals  |                       | 7.2            |   |              |                 |              | <b>RP: IMQ-01SG00017</b> |
|      | Designation according to EN 14241-1 standard |                       |                | EN 14241-1 T200 W 2 K2 I  |              |                 |              |                          |
|      | Density                                      | g/c<br>m <sup>3</sup> |                | 1.20 ± 0.1  |              |                 |              |                          |
|      | Hardness                                     | ShA                   |                | 55-60   |              |                 |              |                          |
|      | Lengthening strength to 100%                 | N/m<br>m <sup>2</sup> |                | ≥ 1.2   |              |                 |              |                          |
|      | Tensile strength                             | N/m<br>m <sup>2</sup> |                | ≥ 4.5   |              |                 |              |                          |
|      | Permanent deformation                        | %                     |                | ≤ 25  |              |                 |              |                          |
|      | Nominal dimensions                           |                       |                | 80, 100, 130  |              |                 |              |                          |
|      | <b>Mechanical resistance and stability</b>   |                       | 6.1            |   |              |                 |              |                          |
| 8.0  | Compressive strength                         |                       | 6.1.1          | Up to 27 m.   |              |                 |              | See Annex                |
| 9.0  | Tensile strength                             |                       | 6.1.2          | Up to 23 m.   |              |                 |              | See Annex                |
| 10.0 | Wind load resistance                         |                       | 6.1.3.2        | Maximum length from the last support: 1,5 m.<br>Maximum length between supports: 3 m. |              |                 |              | See Annex                |
|      | <b>Non vertical installation</b>             |                       | 6.1.3.1        |   |              |                 |              |                          |
| 11.0 | Maximum deflection                           |                       |                | 90° (horizontal installation)   |              |                 |              | See Annex                |

|      | Characteristics                               | Units                      | Ref. EN 1856-1  | Values / Levels   |              |                 |              | Remarks                     |
|------|---|----------------------------|-----------------|---|--------------|-----------------|--------------|-----------------------------|
| 12.0 | Maximum length of the slope                   |                            |                 | 1 m.  |              |                 |              | See Annex                   |
| 13.0 | Gas tightness                                 |                            | 6.3             | Pressure level: P1  |              |                 |              |                             |
| 14.0 | Distance to combustible materials at T200     | mm                         | 6.2             | 50 (O50)  |              |                 |              |                             |
| 15.0 | Accidental human contact at T200              |                            | 6.4.2           | Protection in the traffic area is not needed (back ventilated air gap between de inner wall and the outer wall) |              |                 |              |                             |
| 16.0 | Thermal resistance                            | m <sup>2</sup><br>K /<br>W | 6.4.3           | 0   |              |                 |              |                             |
| 17.0 | Condensate resistance                         |                            | 6.4.4,<br>6.4.5 | Designation: W (wet)  |              |                 |              |                             |
| 18.0 | Resistance against rainwater penetration      |                            | 6.4.6           | Not apply (not insulated)   |              |                 |              |                             |
|      | <b>Flow resistance</b>                        |                            | 6.4.7           |   |              |                 |              |                             |
| 19.0 | Mean value of roughness                       | mm                         | 6.4.7.1         | 1 (according to EN 13384-1 standard)  |              |                 |              |                             |
| 20.0 | Coefficients of flow resistance for fittings  |                            | 6.4.7.2         | Values according to EN 13384-1 standard   |              |                 |              |                             |
|      | <b>Terminal</b>                               |                            |                 |   |              |                 |              |                             |
| 21.0 | Coefficient of flow resistance                |                            | 6.4.7.3         | Values according to EN 13384-1 standard   |              |                 |              |                             |
| 22.0 | Protection against rainwater                  |                            | 6.4.8.1         | N.P.D.  |              |                 |              |                             |
| 23.0 | Aerodynamic behavior                          |                            | 6.4.8.2         | N.P.D.  |              |                 |              |                             |
|      |   |                            |                 |   |              |                 |              |                             |
| 24.0 | Corrosion resistance                          |                            | 6.5.1           | 1.4404 / 316L   | 1.4521 / 444 | 1.4162 / S32101 | 1.4301 / 304 | <b>RP: TÜV-A 1439-00/05</b> |
|      |   |                            |                 | V2  | V2           | V2              | Vm           |                             |
| 25.0 | Freeze / thaw resistance                      |                            | 6.5.3           | Fulfilled according to EN 1856-1  |              |                 |              |                             |
| 26.0 | Dangerous substances                          |                            | 7.2             | None  |              |                 |              |                             |
| 27.0 | Typical installation drawing                  |                            | 7.2             |   |              |                 |              | See Annex                   |
| 28.0 | Assembly instructions                         |                            | 7.2             |   |              |                 |              | See Annex                   |
| 29.0 | Flow direction                                |                            | 7.2             | Installation with the outer Female at the top   |              |                 |              |                             |
| 30.0 | Storage instructions                          |                            | 7.2             | No corrosive atmosphere   |              |                 |              |                             |
| 31.0 | Method of application of any sealant required |                            | 7.2             | None  |              |                 |              |                             |



|         |                | <b>COMPRESSIVE STRENGTH</b>  | <b>TENSILE STRENGTH</b> |
|---------|----------------|--|-------------------------|
|         |                | Height – Size D (m)  | Height (m)              |
|         | Outer material | 1.4301 /304; 1.4404 / 316L; 1.4521 / 444; 1.4509 / 441; 1.4075 / 430 |                         |
| ND (mm) | 80             | 27   | 23                      |
|         | 100            | 22   | 19                      |
|         | 130            | 17   | 14                      |



|         |                | <b>NON VERTICAL INSTALLATION</b>                                     |  |
|---------|----------------|--|--|
|         |                | Maximum deflection $\alpha$ (°)                                      | Maximum length of the slope – Size E (m) |
|         | Outer material | 1.4301 /304; 1.4404 / 316L; 1.4521 / 444; 1.4509 / 441; 1.4075 / 430 |  |
| ND (mm) | 80             | 90   | 1  |
|         | 100            | 90   | 1  |
|         | 130            | 90   | 1  |

|         |                | <b>COMPRESSIVE STRENGTH OF THE SUPPORT</b>                           |                             |
|---------|----------------|--|-----------------------------|
|         |                | Height   |                             |
|         | Outer material | 1.4301 /304; 1.4404 / 316L; 1.4521 / 444; 1.4509 / 441; 1.4075 / 430 |                             |
|         | Model          | Wall support 080   | Adjustable wall support 083 |
| ND (mm) | 80             | 6  | 6                           |
|         | 100            | 5  | 5                           |
|         | 130            | 4  | 4                           |



# DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

## EN 1856-2

### Chimneys – Requirements for metal chimneys. Part 2: Metal liners and connecting flue pipes

Manufacturer: **DINAK**  
 Camiño do Laranxo, 19. 36216, VIGO (ESPAÑA)

Product commercial name: **DIFLUX ALUMINIUM EVB/01**

Product description: Concentric metal chimney

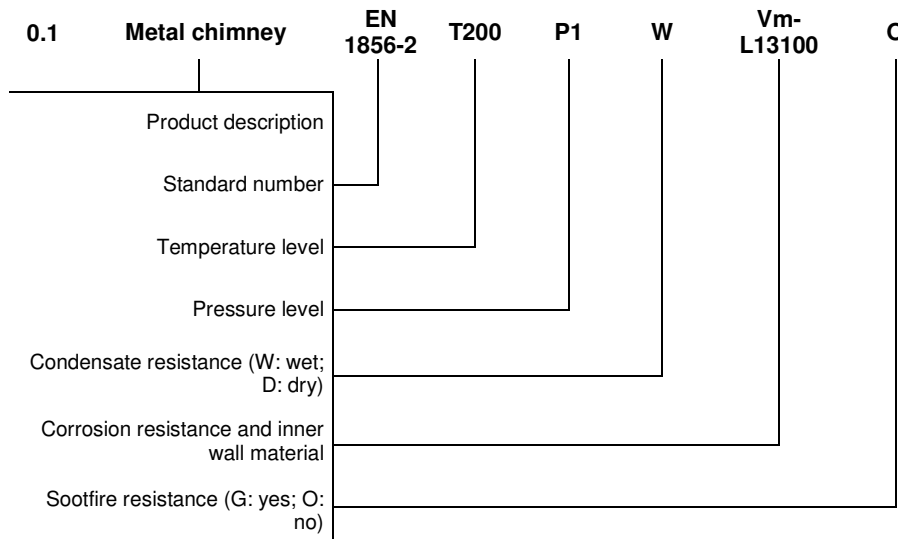
Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service GmbH TÜV SÜD Gruppe**

Certificate number: **0036 CPD 90220 042**



Designations according to EN 1856-2 standard:



**Compressive strength**  
N.P.D.

**Flow resistance**  
 Inner roughness: 1 mm (according to EN 13384-1 Standard)  
 Flow resistance coefficients  $\zeta$  according to EN 13384-1 Standard

**Thermal resistance**  
 0 m<sup>2</sup> K/W at reference temperature

**Mechanical resistance and stability**  
 Tensile strength: 0 m.  
 Non vertical installation: maximum deflection 90° and maximum length of the slope up to 1 m.

**Wet working conditions:** Yes

|      | Characteristics                              | Units                     | Ref. EN 1856-2  | Values / Levels                         | Remarks   |
|------|--|---------------------------|-----------------|---|-----------|
| 1.0  | Nominal dimensions                           | mm                        | 4, 5            | 60, 80                                  |           |
| 2.0  | Nominal/Outer dimension                      | mm                        |                 | 60/100, 80/125                          |           |
| 3.0  | Inner wall material                          |                           | 4, 5, 6.5.2     |   |           |
|      | Quality                                      |                           |                 | Aluminium EN AW – 6060                  | EN 573-3  |
|      | Nominal thickness (minimum thickness)        | mm                        |                 | 1,0                                     |           |
|      | Description according to EN 1856-2           |                           |                 | L13100                                  |           |
| 4.0  | Outer wall material                          |                           | 4, 5, 6.5.2     |   |           |
|      | Quality                                      |                           |                 | Aluminium EN AW – 6060                  | EN 573-3  |
|      | Nominal thickness (minimum thickness)        | mm                        |                 | 1,0                                     |           |
|      | Description according to EN 1856-2           |                           |                 | L13100                                  |           |
| 5.0  | Insulation                                   |                           | 7.2             | None                                    |           |
| 6.0  | Seals  |                           | 7.2             |   |           |
|      | <b>Mechanical resistance and stability</b>   |                           | 6.1             |   |           |
| 7.0  | Compressive strength                         |                           | 6.1.1           | N.P.D.                                  |           |
| 8.0  | Tensile strength                             |                           | 6.1.2           | 0 m.                                    |           |
|      | <b>Non vertical installation</b>             |                           | 6.1.3.1         |   |           |
| 9.0  | Maximum deflection                           |                           |                 | 90° (horizontal installation)           |           |
| 10.0 | Maximum length of the slope                  |                           |                 | Up to 1 m.                              |           |
| 11.0 | Gas tightness                                |                           | 6.3             | Pressure level: P1                      | RP: TÜV-A |
| 12.0 | Accidental human contact                     |                           | 6.4.2           | Protection in the traffic area needed   | RP: TÜV-A |
| 13.0 | Thermal resistance                           | m <sup>2</sup><br>K/<br>W | 6.4.3           | 0                                       |           |
| 14.0 | Condensate resistance                        |                           | 6.4.4,<br>6.4.5 | Designation: W (wet)                    | RP: TÜV-A |
| 15.0 | Resistance against rainwater penetration     |                           | 6.4.6           | Not apply (not insulated)               |           |
|      | <b>Flow resistance</b>                       |                           | 6.4.7           |   |           |
| 16.0 | Mean value of roughness                      | mm                        | 6.4.7.1         | 1 (according to EN 13384-1 standard)    |           |
| 17.0 | Coefficients of flow resistance for fittings |                           | 6.4.7.2         | Values according to EN 13384-1 standard |           |
|      | <b>Terminal</b>                              |                           |                 |   |           |
| 18.0 | Coefficient of flow resistance               |                           | 6.4.7.3         | Values according to EN 13384-1 standard |           |
| 19.0 | Protection against rainwater                 |                           | 6.4.8.1         | N.P.D.                                  |           |
| 20.0 | Aerodynamic behavior                         |                           | 6.4.8.2         | N.P.D.                                  |           |

|      | <b>Characteristics</b>                        | <b>Unit<br/>s</b> | <b>Ref.<br/>EN<br/>1856-2</b> | <b>Values / Levels</b>                  | <b>Remarks</b>        |
|------|---|-------------------|-------------------------------|---|-----------------------|
| 21.0 | Corrosion resistance                          |                   | 6.5.1                         | Vm                                      |                       |
| 22.0 | Freeze / thaw resistance                      |                   | 6.5.3                         | Fulfilled according to EN 1856-1        |                       |
| 23.0 | Dangerous substances                          |                   | 7.2                           | None                                    |                       |
| 24.0 | Typical installation drawing                  |                   | 7.2                           |   | See product brochures |
| 25.0 | Assembly instructions                         |                   | 7.2                           |   | See product brochures |
| 26.0 | Flow direction                                |                   | 7.2                           | Installation with the Female at the top |                       |
| 27.0 | Storage instructions                          |                   | 7.2                           | No corrosive atmosphere                 |                       |
| 28.0 | Method of application of any sealant required |                   | 7.2                           | None                                    |                       |