



# DECLARATION OF PERFORMANCE

CPR (EU) No 305 / 2011  
 Declaration of performance  
 No: RWA-009DoP2017-12  
 Date: 20 December 2017  
 EN 12101- 2: 2017

**No RWA-008DoP2017-12**

<p><b>1. Product Type</b>          Unique identification code of the product-type:</p>	<p><b>Natural Smoke and Heat Exhaust Ventilator (NSHEV)</b></p>
<p><b>2. Type</b>          Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):</p>	<p><b>RWA System, Type DPI. NSHEV Pneumatic</b></p> <ul style="list-style-type: none"> <li>▪ Smoke and Heat Control Systems.</li> <li>▪ Natural smoke and heat exhaust ventilators (NSHEV).              electric actuators, fixed to the girder, manufactured by Grasl Pneumatic-Mechanik GmbH and profiles manufactured by Van Deudekom Plastics BV</li> </ul>
<p><b>3. Intended use / Application</b>          Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:</p>	<p><b>Fire safety &amp; Ventilation</b>          For use in Natural Smoke and Heat Exhaust Ventilators for flat and slightly inclined roofs</p>
<p><b>4. Name, registered trade name</b>          Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):</p> <p><b>- registered trade mark</b></p>	<p><b>Kunststoffenindustrie Van Boven B.V.</b>          Schelluinsestraat 52-56, 4203 NN Gorinchem, The Netherlands          Postbus 101, 4200 AC Gorinchem, The Netherlands          Tel. + 31 (0)183 633 477 Fax: + 31 (0)183 633 984          Email: <a href="mailto:info@van-boven.com">info@van-boven.com</a></p> 
<p><b>5. Authorized representative</b>          Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):</p>	<p><b>Not applicable</b></p>
<p><b>6. AVCP</b>          System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:</p>	<p><b>AVCP System 1 + AVCP System 3</b></p>
<p><b>7. Notified Body (NANDO)</b>          In case of the declaration of performance concerning a construction product covered by a harmonized standard:</p> <p><b>System 1: Notified factory production control certification body</b>          performed the determination of the product type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product, 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 of the constancy of performance of the product.</p> <p><b>System 3: The notified testing laboratory</b>          performed the determination of the product type on the basis of type testing, type calculation, tabulated values or descriptive documentation of the product. The manufacture Van Deudekom Plastics B.V. performed the factory production control.</p>	<p><b>System 1: Factory production control (FPC) performed by Notified Body (NANDO):</b>          NB 0336 - TÜV Rheinland Nederland BV - TÜV          NB 0786 - VdS Schadenverhütung GmbH - VdS          NB 0432 - Materialprüfungsamt Nordrhein-Westfalen GmbH- MPA</p> <p><b>System 3: Product testing performed by Notified Body (NANDO):</b>          NB 0786 - VdS Schadenverhütung GmbH – VdS          NB 0960 - SKG-IKOB Certificatie BV - SKG          NB 0432 - Materialprüfungsamt Nordrhein-Westfalen GmbH- MPA          NB 1368 - Institut für Industrieaerodynamik GmbH – IFI          NB 1322 - Institut für Brandschutztechnik und Sicherheitsforschung - IBS</p>

## 8. Declared performance

Essential characteristics	Performance classes	Harmonized technical specification	EC-Certificate of Conformity CPD	Notified Body
<b>Wind load</b>	<b>WL 1500</b>	EN 12101:2003-09 Annex F	1368-CPD-P-231/2010-F 0786-CPD-50595	1368 0786
<b>Snow load</b>	<b>SL 500 / T(-5°C) SL 750 / T(00)</b>	EN 12101-2:2003-09 Annex D	1368-CPD-P-229/2010-D 0786-CPD-50595 0432-CPD-210005442-NT-KB	1368 0786 0432
<b>Low ambient temperature</b>	<b>T (00) T(-05)</b>	EN 12101-2:2003-09 Annex E	1368-CPD-P-230//2010-E 0786-CPD-50595 0432-CPD-210004329-2-NT-KB	1368 0786 0432
<b>Reliability</b>	<b>RE 1000 Type B Double function</b>	EN 12101-2:2003-09 Annex C	1368-CPD-P-104/2010-C 0786-CPD-50595	1368 0786
<b>Aerodynamic free opening area, Aa</b> $Aa = C_v \cdot A_v, A_{v, \max} = 4,5 \text{ m}^2$	<b>Cv 0,60 ÷ 0,70</b>	EN 12101:2003-09 Annex B	1368-CPD-P-159/2007-B 0786-CPD-50595	1368 0786
<b>Resistance to fire</b>	<b>B 300</b>	EN 12101-2:2003-09 Annex G EN 1363-1	317102405-1 0786-CPD-50595 0432-CPD-210005442-WB-KB 0432-CPD-210005965-WB-KB	1322 0786 0432 0432
<b>Reaction to fire</b>	<b>E</b>	EN 12101-2:2003 EN 13501-1:2007	0432-CPD-210005442-WB-KB 0432-CPD-210005965-WB-KB	0432 0432

## 9. Declaration

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Gorinchem, 20 December 2017

J. van Os  
Comm. Director