CE-marking and Declaration of Performance

CE

Champagne Edition Inc.
57425 Range Road 253,
Sturgean County AB, T0G1L1
CANADA

23

EN 14388:2005/AC:2008

HD Eco Wall noise barrier. Dimension: 3046x610x75 mm

Declared performance has been assessed and verified for eco-flex® by:
RISE Research Institutes of Sweden AB, notified body No. 0402
PL 857
SE-501 15 Borås
Sweden

Classification report number 0402-CPR-1272011 and 0402-CPR-1220180

DECLARATION OF PERFOMANCE

1. Unique identification code of the product-type:

HD Eco Wall noise Barrier

2. Type marking allowing identification of the construction product:

HD Eco Wall noise Barrier

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

Road traffic noise reducing wall barrier

4. Name and contact address of the manufacturer

Champagne Edition Inc.
57425 Range Road 253,
Sturgean County AB, T0G1L1,
Canada

5. Name and contact address of the authorized representative

Michael Lobsinger
Vice President Operations
Phone: 780-782-7571
Email: michael@eco-flex.com

6. Assessment of performance according to AVCP 3. RISE Research Institutes of Sweden AB has, as notified body No. 0402, assessed the performance of the construction product HD Eco Wall noise barrier. The assessment is performed according to the harmonized standard EN 14388:2005/AC:2008 Road traffic noise-reducing devices – Specifications. This report summarizes the assessment and can be used as a part of the documentation required for drawing up a Declaration of Performance in accordance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR).

7. Declared performance

<table>
<tr><th rowspan="2">Characteristic according to EN 14388:2005/ AC:2008, ZA.1</th><th colspan="5" rowspan="2">Performance (level, class, description)</th><th rowspan="2">Test report*</th></tr>
<tr></tr>
<tr><td rowspan="2">Dry self-weight of an acoustic element: as defined in B.2 of EN 1794-1:2003</td><td>Height [mm]</td><td>Width [mm]</td><td>Thickness [mm]</td><td>Weight [kN/Element]</td><td>Number of elements</td><td rowspan="2">O100190-DP10-1149480-1</td></tr>
<tr><td>610</td><td>3046</td><td>75</td><td>1.08</td><td>4</td></tr>
<tr><td rowspan="3">Maximum vertical load an element can withstand in order to fulfil B.3.2 of EN1794-1:2003</td><td>Variant</td><td>Size [mm]</td><td>Weight [kN/element]</td><td>Total load along element [kN/m]</td><td>Number of elements</td><td rowspan="3">O100190-DP10-1149480-1</td></tr>
<tr><td>On ground</td><td>610× 3056×75</td><td>1.08</td><td>1064</td><td>4</td></tr>
<tr><td>On angled steel plate</td><td>610× 3056×75</td><td>1.08</td><td>1064</td><td>4</td></tr>
</table>

<table>
<tr><td rowspan="2">Maximum normal (90°) load an acoustic element can withstand in order to fulfil A.3.3 of EN 1794- 1:2003 (wind and static load)</td><td>H [mm]</td><td>Width [mm]</td><td>Wind pressure [kN/m2]</td><td rowspan="2">O100190-DP10-1149480-1</td></tr>
<tr><td>610</td><td>3046</td><td>1440</td></tr>
<tr><td rowspan="9">Maximum normal (90°) load a structural element can withstand in order to fulfil A.3.2 and B.3.3 of EN 1794-1:2003 (wind, static load and self weight)</td><td>Dimension</td><td>H [mm]</td><td>Wind pressure [kN/m]</td><td rowspan="9">O100190-DP10-1149480-1</td></tr>
<tr><td>HEB 100</td><td>4880</td><td>0.426</td></tr>
<tr><td>HEB 100</td><td>4270</td><td>0.640</td></tr>
<tr><td>HEB 100</td><td>3660</td><td>1.014</td></tr>
<tr><td>HEB 100</td><td>3050</td><td>1.755</td></tr>
<tr><td>HEB 100</td><td>2440</td><td>3.430</td></tr>
<tr><td>HEB 100</td><td>1830</td><td>8.073</td></tr>
<tr><td>HEB 100</td><td>1220</td><td>27.416</td></tr>
<tr><td>HEB 100</td><td>610</td><td>219.329</td></tr>
<tr><td rowspan="2">Maximum bending moment a structural element can withstand in order to fulfil E.2 of EN 1794-1:2003 (dynamic load from snow clearance)</td><td colspan="2">Dimension</td><td colspan="2">Bending moment [kNm]</td><td rowspan="2">O100190-DP10-1149480-1</td></tr>
<tr><td colspan="2">HEB 100</td><td colspan="2">36.9</td></tr>
<tr><td>Maximum normal (90°) load an acoustic element can withstand in order to fulfil E.2 of EN 1794-1:2003/2011 (dynamic load from snow clearance)</td><td colspan="3">15 kN/2m × 2m</td><td>O100190-DP10-1149480-1</td></tr>
<tr><td>Sound insulation</td><td colspan="3">DL_R 26 [dB]</td><td>O100282-1176879A</td></tr>
<tr><td>Sound absorption</td><td colspan="3">DL_α 1 [dB]</td><td>O100282-1176879B</td></tr>
<tr><td>Light reflectivity</td><td>Angle
20°
60°
85°</td><td>Gloss units
0
<1
0</td><td>Fraction
0%
<0.1%
0%</td><td>105105 1174427-K01</td></tr>
</table>

**For detailed information see each report*

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. The manufacture assembly instructions need to be followed to achieve the declared performance.

This declaration of performance is issued under the sole responsibility of the identified manufacturer, and it is valid for declared products sold in the EU starting 12-12-2023.

Sturgeon country, AB, Canada.

Signed for and on behalf of the manufacturer by:

Michael Lobsinger

Micheal Lobsinger

Vice President Operations