

DECLARATION OF PERFORMANCE

No / Nr 0958-CPR-1037/2

- 1.Unique identification code of the product type: **Continuous Variable Message Signs without reflective sheeting and structure**
- 2.Intended use: **Variable Message Signs installed permanently for the instruction and guidance of Road users on public and private land, including tunnels.**
3. Manufacturer:

ROTAPANEL®

Rotapanel International B.V., Plutoweg 2, 8938 AB Leeuwarden, THE NETHERLANDS

4. Authorised representative: TBD
5. System/s of AVCP: **System 1.**
6. Harmonized standard: **EN 12966-1:2005+A1:2009.**

Notified Body (No. 0958) – SGS INTRON Certificatie B.V., has carried out an assessment of the performance of the construction product on the basis of tests (including sampling), calculations, tabular values or descriptive product documentation and pre-inspection of the manufacturing facility and the FPC, and continues to supervise and evaluate the FPC and issued the **Certificate of Constancy of Performance No. 0958-CPR-1037/1**

7. Declared performance:

| Essential characteristics | EN12966-1 § | Characteristic | Method | Declared value/level/class |
|--|-------------|--|--|--|
| Structural performance ¹⁾ | | | | |
| Resistance horizontal loads | 8.3.2.1 | Loads | EN 12899-1:2007: - Table 8 : Wind loads - Table 10 : Point loads - Table 9 : Snow loads | WL7 ¹⁾ PL4 ¹⁾ DSL0 ¹⁾ |
| | 8.3.2.2 | Deflections | EN 12899-1:2007: - Table 11 : Bending - Table 12 : Torsion | TDB1 ¹⁾ TDT0 ¹⁾ |
| Impact resistance | 8.3.4 | Impact resistance | EN 12966-1+A1:2009 § 9.2.3: - Table 13 : EN 60598-1 | Pass |
| Visual performance ^{2) 3)} | | | | |
| Chromaticity co-ordinates | 1 | Daylight chromaticity & luminance factor | EN 12899-1:2007: § 4.2 Micro prismatic | See remark ²⁾ and ³⁾ |
| Retro reflectivity | | Coefficient of retro reflection | EN 12899-1:2007: § 4.2 Micro prismatic | See remark ²⁾ and ³⁾ |
| Durability ^{2) 3)} | | | | |
| Physical performance and optical performance | 8.2 | Environmental requirements | EN 12966-1+A1:2009 § 9.2.3: - Table 13 : impact test - Table 14 : vibration - Table 15 : corrosion - Table 16 : water penetration - Table 17 : dust penetration - Table 18 : temperature - Appearance and functionality | Pass Pass Pass IP-x5 (P2) IP-5x (P2) T1, T2, T3 Pass |
| | 1 | Daylight chromaticity & luminance factor | EN 12899-1:2007 § 4.2 Micro prismatic | See remark ²⁾ and ³⁾ |
| | | Coefficient of retro reflection | EN 12899-1:2007 § 4.2 Micro prismatic | See remark ²⁾ and ³⁾ |
| Lift assessment | | GRL 6.1.4 | GRL 6.1.4 | Positive |
| Dangerous substances | 13 | Dangerous substances | According to national regulations of member state of destination | No release |
| Electrical | | | | |
| Electromagnetic compatibility | | EMC | EN 61000-6-3 Generic Emission EN 61000-6-4 Generic Emission EN 61000-6-2 Generic Immunity | Pass Pass Pass |
| | | | EN 12966-1:2007: - Table 11 - Table 12 | Pass Pass |

¹⁾ Rotapanel PVMS is self-bearing up to 2,0m x 2,0m. A separate construction is needed for larger designs.

The performance of the product specified above is in conformity with the declared performance.

Test assessment of Rotapanel VMS performed by SGS Intron, The Netherlands. Reference 072119/R20080053-1/LGr/LGr/NBe, <http://manualrotapanel.com/assets/intron.pdf>

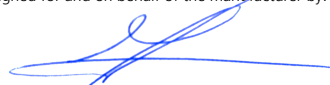
²⁾ CE marked Avery Dennison micro prismatic retro reflective sheeting (T7500B white, yellow and blue) and overlays (OL2005SF blue, yellow, green, red, brown).
For lettering CE marked Orafol sheeting (Oralite 5071 black).

³⁾ Digitally printed 3M micro prismatic retro reflective sheeting's class (III) produced and supplied with CE mark.
3M High Intensity Prismatic Series Class II 3930 White, overlay: Electro CUT Film: 1171 (yellow), 1172 (red), 1175 (blue), 1177 (green), 1178 (black), 3M Scotchcal 7725-31 Medium Grey (grey).

When requiring none or other retro reflective materials than described above, datasheets will be provided of their appropriate classes when applicable.

This declaration of performance is issued in accordance with the regulation (UE) no 305/2011 under the sole responsibility of the manufacturer/authorised representative specified above.

Signed for and on behalf of the manufacturer by:



Hendry Born Senior Applications Engineer - Plutoweg 2, 8938AB Leeuwarden, November 24th 2019