

YDEEVNEDEKLARATION

Nr.: SR 00007

1. Byggevaretype:	Faste lodrette trafikskilte
2. Byggevareidentifikation:	Lodret rørstander for skilte
3. Byggevarens tilsigtede anvendelse:	Eftergivelig rørstander til montage af lodrette trafikskilte.
4. Producentens Navn og adresse:	Saferoad Danmark A/S Hvidkærvej 33 5250 Odense SV
5. Systemerne til vurdering og kontrol af konstanten af byggevarens ydeevne:	1
6. Produktstandard:	EN 12899-1:2007
7. Notificeret Organ:	DBI Certification A/S, Jernholmen 12, DK-2650 Hvidovre nr.: 2531 har udført bestemmelse af varetype, type beregning, indledende og løbende overvågning af fabrikens egen produktions kontrol (FPC) og udstedt EC Certifikat
8. EC Certifikat of Conformity:	2531-CPR-CSC10007

9. Deklareret ydeevne:

Type	Description																																																																																						
<p>Dimensions: 66 mm Moramast 110 mm Moramast 140 mm Moramast 166 mm Moramast</p> <p>Material: Aluminium AA6063 T66, Anodizing 20 µm Nature</p>	<p>Resistance to horizontal loads:</p> <table border="1"> <thead> <tr> <th rowspan="2">Moramast Signposts without steel rods</th> <th colspan="2">Bending</th> <th colspan="2">Torsion</th> </tr> <tr> <th>Stiffness (EI)</th> <th>Moment capacity bending (M_b)</th> <th>Stiffness (GI)</th> <th>Moment capacity torsion (T_b)</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td>kNm²</td> <td>kNm</td> <td>kNm²</td> <td>kNm</td> </tr> <tr> <td>66</td> <td>25,2</td> <td>2,2</td> <td>16,9</td> <td>2,0</td> </tr> <tr> <td>110</td> <td>133</td> <td>6,4</td> <td>70,3</td> <td>5,1</td> </tr> <tr> <td>140</td> <td>291</td> <td>11,0</td> <td>156</td> <td>8,8</td> </tr> <tr> <td>166</td> <td>543</td> <td>17,5</td> <td>304</td> <td>14,9</td> </tr> </tbody> </table> <p>Performance under vehicle impact: Passive safety for supports with maximum heights 5,57 m above ground level and maximum area of sign to be mounted 5,4 m² on one support:</p> <table border="1"> <thead> <tr> <th>Moramast Signposts without steel rods</th> <th>Speed class</th> <th>Energy absorption category</th> <th>Occupant safety level</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>66</td> <td>100</td> <td>NE</td> <td>2</td> </tr> <tr> <td>110</td> <td>100</td> <td>NE</td> <td>2</td> </tr> <tr> <td>140</td> <td>100</td> <td>NE</td> <td>2</td> </tr> <tr> <td>166</td> <td>100</td> <td>NE</td> <td>2</td> </tr> </tbody> </table> <p>Lower edge of sign plate shall be at least 2.0 m above ground unless otherwise evaluated.</p> <p>Passive safety with maximum height more that 5.57 m above ground and no sign mounted:</p> <table border="1"> <thead> <tr> <th>Moramast Signposts without steel rods</th> <th>Speed class</th> <th>Energy absorption category</th> <th>Occupant safety level</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>66</td> <td>NPD</td> <td>NPD</td> <td>NPD</td> </tr> <tr> <td>110</td> <td>NPD</td> <td>NPD</td> <td>NPD</td> </tr> <tr> <td>140</td> <td>NPD</td> <td>NPD</td> <td>NPD</td> </tr> <tr> <td>166</td> <td>NPD</td> <td>NPD</td> <td>NPD</td> </tr> </tbody> </table> <p>Durability:</p> <table border="1"> <tr> <td>Corrosion resistance (supports) Metal</td> <td>SP1</td> </tr> <tr> <td>Resistance to penetration of dust and water</td> <td>Supports can not be provided with compartments for electrical equipment</td> </tr> </table>	Moramast Signposts without steel rods	Bending		Torsion		Stiffness (EI)	Moment capacity bending (M _b)	Stiffness (GI)	Moment capacity torsion (T _b)	mm	kNm ²	kNm	kNm ²	kNm	66	25,2	2,2	16,9	2,0	110	133	6,4	70,3	5,1	140	291	11,0	156	8,8	166	543	17,5	304	14,9	Moramast Signposts without steel rods	Speed class	Energy absorption category	Occupant safety level	mm				66	100	NE	2	110	100	NE	2	140	100	NE	2	166	100	NE	2	Moramast Signposts without steel rods	Speed class	Energy absorption category	Occupant safety level	mm				66	NPD	NPD	NPD	110	NPD	NPD	NPD	140	NPD	NPD	NPD	166	NPD	NPD	NPD	Corrosion resistance (supports) Metal	SP1	Resistance to penetration of dust and water	Supports can not be provided with compartments for electrical equipment
Moramast Signposts without steel rods	Bending		Torsion																																																																																				
	Stiffness (EI)	Moment capacity bending (M _b)	Stiffness (GI)	Moment capacity torsion (T _b)																																																																																			
mm	kNm ²	kNm	kNm ²	kNm																																																																																			
66	25,2	2,2	16,9	2,0																																																																																			
110	133	6,4	70,3	5,1																																																																																			
140	291	11,0	156	8,8																																																																																			
166	543	17,5	304	14,9																																																																																			
Moramast Signposts without steel rods	Speed class	Energy absorption category	Occupant safety level																																																																																				
mm																																																																																							
66	100	NE	2																																																																																				
110	100	NE	2																																																																																				
140	100	NE	2																																																																																				
166	100	NE	2																																																																																				
Moramast Signposts without steel rods	Speed class	Energy absorption category	Occupant safety level																																																																																				
mm																																																																																							
66	NPD	NPD	NPD																																																																																				
110	NPD	NPD	NPD																																																																																				
140	NPD	NPD	NPD																																																																																				
166	NPD	NPD	NPD																																																																																				
Corrosion resistance (supports) Metal	SP1																																																																																						
Resistance to penetration of dust and water	Supports can not be provided with compartments for electrical equipment																																																																																						

10. Underskrevet for fabrikanten og på dennes vegne af:

Ydeevnen for den vare, der er anført i punkt 1 og 2, er i overensstemmelse med den deklarerede ydeevne anført i punkt 9. Denne ydeevnedeklaration er udarbejdet i overensstemmelse med forordning (EU) nr. 305/2011 på eneansvar af den producent, der er anført i punkt 4.

Odense den. 10-01-2023

Jesper Arbirk Larsen

Quality and sustainability consultant