

# DIN EN 12899-1:2008-02 (E)

## Fixed, vertical road traffic signs - Part 1: Fixed signs

---

<b>Contents</b>		<b>Page</b>
Foreword .....		4
Introduction .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms, definitions, symbols and abbreviations .....	7
4	Retroreflective sign face material .....	8
4.1	Glass bead material .....	8
4.2	Microprismatic material .....	12
5	Structural performance .....	12
5.1	General .....	12
5.2	Partial safety factors .....	14
5.3	Loads .....	14
5.4	Deflections .....	16
6	Supports .....	20
6.1	Tops .....	20
6.2	Base compartments .....	20
6.3	Performance under vehicle impact .....	20
6.4	Corrosion resistance .....	21
6.5	Base plates .....	21
7	Sign plates, sign faces, transilluminated signs, externally illuminated signs and supports .....	21
7.1	Design .....	21
7.2	Sign faces .....	24
7.3	Transilluminated signs .....	25
7.4	Externally illuminated signs .....	28
8	Sign assemblies .....	30
9	Marking, labelling and product information .....	30
9.1	General .....	30
9.2	Marking and labelling .....	30
9.3	Product information .....	30
9.4	Luminaires .....	31
10	Evaluation of conformity .....	31
11	Dangerous substances .....	31
A.1	Wind load .....	32
A.2	Snow clearance, dynamic load, load combination .....	41
Annex A (normative)	Test points for horizontal and vertical loads .....	32
EU Construction Products Directive .....		44

<b>ZA.1 Scope and relevant characteristics .....</b>	<b>44</b>
<b>ZA.2 Procedure for attestation of conformity of fixed vertical road traffic signs .....</b>	<b>51</b>
<b>ZA.3 CE marking and labelling .....</b>	<b>52</b>