DIN EN 1646-1:2012-10 (E)

Leisure accommodation vehicles - Motor caravans - Part 1: Habitation requirements relating to health and safety

Contents

Page

Foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms and definitions 6

4 Testing 6

5 Design and construction 7

6 Internal equipment 8

7 Drinking water supply, storage and disposal of waste water 10

8 Appliances 11

9 Heating 12

10 Installations 12

11 Ventilation 12

12 Fire precautions 13

13 Warning notice 17

14 User's handbook 17

Annex A (normative) Strength of entrance steps (see 5.2.3) 19

Annex B (normative) Slip resistance test (see 5.2.4) 20

Annex C (normative) Separate entrance step stability test (see 5.2.4.2) 22

Annex D (normative) Clear height over bunks (see 6.1.2) 23

Annex E (normative) Strength of protection against falling out of bunks (see 6.1.3.3) 24

Annex F (normative) Mechanical strength of bunks (see 6.1.4) 25

Annex G (normative) Security of folding bunks (see 6.1.5) 26

Annex H (normative) Safety of access to upper bunks (see 6.1.6) 27

Annex I (normative) Measurement of gaps (see 6.1.7) 29

Annex J (normative) Heating (see Clause 9) 31

Annex K (normative) Test equipment 33

Annex L (informative) Environmental aspects 36

Bibliography 37

Figures Figure 1 -- Overview of relevant European Standards applying to leisure accommodation vehicles 5

Figure 2 -- Verification of minimum dimensions of a window or escape panel 14

Figure 3 -- Positioning of window or escape panel 15

Figure 4 -- Typical single operation of several continuous movement 15

Figure 5 -- Point of emission of the flame 16

Figure A.1 -- Typical location of the load spreading platform 19

Figure B.1 -- Slip resistance test 20

Figure C.1 -- Stability test of separate entrance step 22

Figure H.1 -- Ladder attachment and deflection 28

Figure I.1 -- Cone measuring device 29

Figure J.1 -- Test temperature diagram 32

Figure K.1 -- Typical step testing device 34

Figure K.2 -- Typical flexible load spreading device 34

Figure K.3 -- Typical friction test piece 35