DIN EN 500-3:2007-04 (E)

Mobile road construction machinery - Safety - Part 3: Specific requirements for soil-stabilising machines and recycling machines

Contents

Page

Foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms and definitions 6

4 List of significant hazards 7

5 Safety requirements and/or protective measures 7
5.1 Lighting, signalling and marking lights and reflex-reflector devices 7
5.2 Operation and handling 7
5.3 Operator's station 7
5.4 Operator's seat 7
5.5 Controls and indicators 7
5.6 Starting 7
5.7 Stopping 7
5.8 Access system to operator's station and to maintenance points 8
5.9 Protection 8
5.10 Pressurised systems 9
5.11 Fire protection 9
5.12 Hot surfaces 10
5.13 Signal devices and warning signs 10
5.14 Electrical and electronic systems 10
5.15 Electro-magnetic compatibility (EMC) 10
5.16 Noise and vibration 10
5.17 Conveyors 10

6 Verification of safety requirements/measures 10

7 Information for the user 11
7.1 Warning signals and devices 11
7.2 Instruction handbook 11
7.3 Marking 11

Annex A (normative) Braking systems - Performance requirements and test procedures 12

Annex B (normative) Noise test code for soil-stabilising machines and recycling machines 13

Annex C (normative) Examples of soil-stabilising machines and recycling machines 18

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EC Directive 98/37/EC 21

Figures Figure 1 -- Mixing equipment 9

Figure 2 -- Warning sign 10

Figure B.1 -- Basic length L 14

Figure B.2 -- Microphone positions 14

Figure C.1 -- Central soil-stabilising machine with horizontal rotor 18

Figure C.2 -- Grader-based central soil-stabilising machine with horizontal mixing drum 19

Figure C.3 -- Recycling machine with paving screed 19

Figure C.4 -- Rear soil-stabilising machine with horizontal mixing drum 20

Figure C.5 -- Crawler-based rear soil-stabilising machine with horizontal mixing drum 20

Figure C.6 -- Rear soil-stabilising machine with vertical mixing unit 20