

DIN EN 500-1:2007-03 (E)

Mobile road construction machinery - Safety - Part 1: Common requirements

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	7
3	Terms and definitions	9
4	List of significant hazards	9
5	Safety requirements and/or protective measures	9
5.1	General	9
5.2	Lighting, signalling and marking lights and reflex-reflector devices	10
5.3	Operation and handling	10
5.4	Operator's station	11
5.5	Operator's seat	13
5.6	Controls and indicators	13
5.7	Starting	15
5.8	Stopping	16
5.9	Access systems to the operator's station and to maintenance points	16
5.10	Protection	16
5.11	Pressurised systems	17
5.12	Fire protection	17
5.13	Hot surfaces	18
5.14	Signal devices and warning signs	18
5.15	Liquid gas units	18
5.16	Electrical and electronic systems	18
5.17	Electro-magnetic compatibility (EMC)	19
5.18	Noise and vibration	23
5.19	Conveyors	24
6	Verification of safety requirements and/or protective measures	24
7	Information for the user	25
7.1	Warning signals and devices	25
7.2	Instruction handbook	25
7.3	Marking	26
Annex A (normative) List of mobile road construction machinery		27
Annex B (normative) Handle starting equipment		29
Annex C (normative) Impending free movement under protective measures		33
Annex D (normative) Liquid gas units on mobile road construction machinery		34
Annex E (normative) Requirements for non-text safety signs used on mobile road construction machinery		40
Annex F (normative) List of significant hazards		42

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC	46
Bibliography	47
Figures Figure 1 -- Location of measuring points	13
Figure 2 -- Position of the antenna relative to mobile road construction machinery with diesel engine	21
Figure 3 -- Position of the antenna relative to mobile road construction machinery with spark ignition engine	23
Figure B.1 -- Direction of rotation of handle when starting engine	30
Figure B.2 -- Testing device for a clockwise engine	32
Figure B.3 -- Testing device for an anti-clockwise engine	32
Figure C.1	33
Figure E.1 -- Safety alert symbol	41
Figure E.2 -- Read instruction handbook	41
Figure E.3 -- Crushing hazard	41
Figure E.4 -- Cutting hazards	41
Figure E.5 -- Hot surfaces	41