

DIN EN 13020:2010-10 (E)

Road surface treatment machines - Safety requirements (includes Amendment A1:2010)

Contents		Page
Foreword		4
Introduction		5
1 Scope		6
2 Normative references		7
3 Terms and definitions		7
4 List of significant hazards		8
5 Safety requirements and/or measures		11
5.1 Introduction		11
5.2 General and common requirements		11
5.2.1 Hydraulic systems		11
5.2.2 Fire protection		11
5.2.3 !!!Protective measures and devices"....."		11
5.2.4 Exhaust piping		12
5.2.5 Demountable equipments		12
5.2.6 Supporting equipment		12
5.2.7 !!!Attachment fittings/trailers"....."		13
5.2.8 Actuators		13
5.2.9 Self-propelled machines		13
5.2.10 Operator's platforms and working positions		14
5.2.11 Skid protection		14
5.2.12 Access		14
5.2.13 Heating systems for roadbuilding materials		14
5.2.14 Starting		15
5.2.15 Controls		15
5.2.16 Machines in lifting application		15
5.2.17 Pipes and hoses		15
5.3 Specific requirements for !!!binder sprayers [or sprayers]"....."		16
5.3.1 Pipes and hoses		16
5.3.2 Access		16
5.3.3 Filler openings		16
5.3.4 Heating systems for !!!binder sprayers [or sprayers]"....." with tanks		16
5.3.5 Limiting devices		16
5.3.6 Shutoff valves		17
5.3.7 Fire protection		17
5.3.8 Tank breathing		17
5.3.9 Transport safeguard		17
5.4 Specific requirements for !!!chipping spreaders [or spreaders]"....."		17
5.4.1 Operator's platforms		17
5.4.2 Communication links		17
5.5 Specific requirements for !!!binder sprayer chipping spreader [or sprayer spreader]"....."		18
5.6 !!!Specific requirements for mastic asphalt mixers and micro-surfacing machines/slurry machines"....."		18
5.6.1 Filler openings		18
5.6.2 Lighting		18
5.6.3 Discharge opening		18

5.6.4	Reverse rotation of the agitator shaft (asphalt mixers only)	18
5.6.5	Apertures over discharge augers and agitator shafts	18
5.6.6	Access to burner chamber	18
5.7	Specific requirements for micro-surfacing machines/slurry machines	19
5.7.1	Service doors for mixer	19
5.7.2	Reverse rotation of mixer shaft	19
5.7.3	Operator's platforms	19
6	Verification	19
7	Information for use	19
7.1	General	19
7.2	Operating and maintenance instructions	19
7.3	Spare parts list	20
7.4	Specific instructions for tank binder sprayers [or sprayers] with spray bars	20
8	Marking	20
Annex A (informative) Truck attachment plate		22
Annex B (informative) Terminology		23
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC		26
Annex ZB (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC		27
Bibliography		28