PEZZOL®

ITALIAN FOR
SAFETY FOOTWEAR

TECHNICAL SHEET

Article nr:	**OSLO 271E-023**
Protection Class	**EN ISO 20345:2011,S3, SRC**
Sizes	**UK 4-13 // EU 37-48**
Construction	**STROBEL-PU/PU**

Upper

Material	Description	Test	Requirement	EN 20345
Leather	Resistance to tearings	189 N	≥ 120 N	5,4,3
	Permeability to water vapour	4,3 mg/cm²	≥ 0,8 mg/cm²	5,4,6
Polyurethane scuff cup				

REMOVABLE INSOLE

Material	Description	Test	Requirement	EN 20345
Foam with polyester lining	Abrasion Resistance	ok	No damage	5,7,4,2
	(25.600 cycles dry - 12800 cycles wet)			

PROTECTION

Material	Description	Test	Requirement	EN 20345
	Impact Resistance (200 J)			
Steel Toecap	*free room after the impact	15	≥ 14 mm	5,3,2,3
EN 12568	Compression Resistance			
	*Free room after the compression	15,5	≥14 mm	5,3,2,4
Steel midsole	Perforation Resistance	OK	≥ 1100 N	6,2,2

SLIP RESITANCE: "SRC"

EN 13287	SRA		SRB	
	Ceramic floor, with detergent solution		stainless steel plate, with glycerine	
Friction coefficient	TEST	REQUIREMENT	TEST	REQUIREMENT
HEEL (CONTACT ANGLE: 7°)	**0,44**	> 0,28	**0,15**	> 0,13
SOLE UNIT	**0,46**	> 0,32	**0,19**	> 0,18

OUTSOLE

Material	Description	Test	Requirement	EN 20345
PU/ PU	Resistance to tearings	9.3 kN/m	≥ 8 kN/m	5,8,2
	Abrasion Resistance			
	* Volume loss	55 mm³	≤ 150 mm³	5,8,3
	Flexions resistance			
	* Cuttings after 30k cycles	1.0 mm	≤ 4 mm	5,8,4
	* Hydrolysis: Cuttings after 150k cycles	3.5 mm	≤ 6 mm	5,8,5
	Hydrocarbon Resistance			
	* Volume variation	0,40%	≤ 12%	5,8,7
	Resistance to upper\sole detaching	3.6 N/mm	≥ 3,0 N/mm	5,8,6