

MARINER III
290BV-04



EN ISO 20345:2022 + A1: 2024

Class: S3S CI HI SC HRO FO LG SR

Sizes: 39-48

Width: 11 - MONDOPOINT

Construction STROBEL-PU/RUBBER

PEZZOL

Safety boot made of full-grain Idrotech leather with high water resistance proprieties. The Polyester lining with membrane. The outcome is a shoe with excellent sweat control and high abrasion resistance, which combined with heat-insulating synthetic material, offers excellent comfort and dry feet, protecting them from cold outside.

The padded TPU in the ankle area guarantees impact protection. Two-component Icon Pu-Rubber Vibram® sole, guarantees maximum support and stability on difficult uneven grounds. Slip-resistance sole tested to the SATRA laboratories on metal grating and wooden scaffold boards. PZX fiberglass toe cap and anti-puncture Txzero insert for extreme lightness, protection and flexibility.



Complete shoe	Norm	Description	Unit	Pezzol Result	Requirement
Toe cap PZX fiberglass in glass fiber, impact resistance 200 J.	5.3.2.3	Impact resistance	mm	16	≥ 14
	5.3.2.4	Compression resistance	mm	18	≥ 14
Antipuncture: TXZERO Non-Metallic Textile Multi-Layer midsole	6.2.1.1	Perforation resistance	N	> 1.100N	≥ 1.100
Energy absorbtion of the seat region	6.2.4	Energy absorption in the heel area	J	32	≥ 20
Upper: Supremoil crasy horse leather Thickness 1.8/2.0 mm	5.4.6	Water vapour permeability	mg/cmq h	2	≥ 0,8
	5.4.6	Water vapour coefficient	mg/cmq	28	≥ 15
	6.3	Water absorbtion	%	6%	≤ 30%
	6.3	Water penetration	gr	0	≤ 0,2
	5.4.3	Tearing Strength	N	259	≥ 120
Vamp lining: 100% honeycomb finished polyester, breathable and abrasion resistant	5.5.3	Water vapour permeability	mg/cmq h	3	≥ 2
		Coefficient of permeability	mg/cmq	24,2	≥ 20
	5.5.1	Tearing Strength	N	33	≥ 15
	5.5.2	Abrasion resistance (dry)	cycles	> 25600	no rupture after 25600
		Abrasion resistance (wet)	cycles	> 12800	no rupture after 12800
Quarter lining: 100% honeycomb finished polyester, breathable and abrasion resistant	5.5.3	Water vapour permeability	mg/cmq h	3	≥ 2
		Coefficient of permeability	mg/cmq	24,2	≥ 20
	5.5.1	Tearing Strength	N	33	≥ 15
	5.5.2	Abrasion resistance (dry)	cycles	> 25600	no rupture after 25600
		Abrasion resistance (wet)	cycles	> 12800	no rupture after 12800
Heel: 100 % PL High Abrasion Resistance		Abrasion resistance (dry)	cycles	> 51200	no rupture after 51200
		Abrasion resistance (wet)	cycles	> 25600	no rupture after 25600
Removable insock: anatomic insole in polyurethane foam covered with honeycomb fabric for maximum breathability	5.7.3	Water Absorption	Mg/cm ²	> 70	≥ 70
		Water Absorption (Ability to release water)	%	> 80%	≥ 80%
PU/RUBBER SRC: Esolight® 1.0 Polyurethane comfort sole chemically bonded to a ICON VIBRAM outsole. Chromium VI: undetectable, less than the detection limit of the method (3mg/kg) Azo dyes: Under the conditions described in the tests, are not were detected in this component azo dyes prohibited by the Directive 2002/61 / EC of 19 July 2002 relating to restrictions on placing on the market and use of certain dangerous substances and preparations (azocolourants) Method UNI EN ISO 17234 -1: 2010 Leather, chemical analysis- (*) Determination of certain azo colorants in finished leathers - Analysis cromotografica high performance HPLC - Gas Analysis	5.8.2	Tearing Strength	kN/m	10.9	≥ 8
	5.8.3	Abrasion resistance	mm ³	98	≤ 150
	5.8.4	Bending resistance (int.test after 30.000 flex)	mm	1,5	≤ 4
	6.4.2	Hydrocarbons resistance (volume increase)	%	4%	≤ 12%
	5.14	Ceramic floor with water and detergent	Condition A	0,54	≥ 0,31
			Condition B	0.44	≥ 0,36
			Condition C	0,41	≥ 0,19
	Ceramic floor with glycerin	Condition D	0,3	≥ 0,22	