



# TECHNICAL DATA SHEET



ARTICLE 78570 **S3** SRC

PRODUCT NAME **LUPETTO**

### TECHNICAL SPECIFICATIONS

ANTI-SLIP SOLE	ANTI-STATIC SOLE	ENERGY ABSORPTION IN THE HEEL REGION	BREATHABLE UPPER	<b>HV</b> HIGH VISIBILITY
COMPOSITE TOE CAP	COMPOSITE MIDSOLE	WATER RESISTANT UPPER	ANTI-TORSION SOLE	SELF-CLEANING SOLE
LADDER GRIP	ARCH SUPPORT	GENUINE LEATHER	<b>PU TPU</b>	SINGLE DENSITY POLYURETHANE THERMO-POLYURETHANE

### SPECIAL FEATURES

<b>WINTHERM® LINING</b> Extremely wear-resistant fabric that ensures an exceptional thermal insulation thanks to the internal aluminum component and, by exploiting the silver micro-particles, it blocks the production of microbes and bacteria.	<b>ALUTHERM INSOLE</b> Specially developed insole for colder working environments because it is quilted on a sheet of aluminum that insulates from cold and humidity.
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Product code 78570  
 EN Standard EN ISO 20345:2011  
 Category of Protection S3  
 Slip Resistance SRC

38 - 48 range of size	11 mondopoint	6 Pairs of same size	<b>REQUIRED</b> 820 g (shoe - size 42)
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## Products range

**TOP CLASSIC**

Item code	Item name
78570 S3 SRC	LUPETTO S3

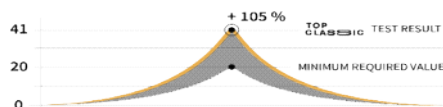


## Sole



## Energy absorption coefficient in the heel area

## ENERGY ABSORPTION COEFFICIENT IN THE HEEL AREA



SAFETY

**PANDA®**

Italian Style at Work

<b>Upper</b>	Made of water-resistant genuine leather "RAMON " it is provided with a convenient side zipper that guarantees the perfect fit.
<b>Lining</b>	"WINTHERM® " lining that provides optimal thermal insulation; moreover it has antibacterial and antimicrobial properties
<b>Midsole</b>	• Midsole made of polyurethane foam
<b>Outsole</b>	• Outsole made of high-density thermo polyurethane with anti-static, anti-torsion and shock-absorbing function
<b>Protective toe cap</b>	Composite material with impact resistance until 200J and compression resistance until 1.500 kg
<b>Anti-puncture plate</b>	Multilayer fabric of polyester which is able to withstand a penetration force up to 1.000 newton
<b>Removable insole</b>	"ALUTERM® " insole with an aluminum coating of the lower part for effective thermal insulation

## SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	EN ISO 20345:2011 standard		Test Result
		Clause	Requirement	
TOE CAP: Impact resistance	mm	5.3.2.3	≥ 14	18
TOE CAP: Compression resistance	mm	5.3.2.4	≥ 14	20,5
ANTI-PUNCTURE PLATE: Penetration resistance	N	6.2.1.1	≥ 1.100	pass
FOOTWEAR: Antistatic properties (in wet condition)	MΩ	6.2.2.2	≥ 0,1	5,0
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	6.2.2.2	≤ 1.000	215
UPPER: Water vapour permeability	mg/cm2*h	5.4.6	≥ 0,8	3,3
UPPER: Water vapour coefficient	mg/cm2	5.4.6	≥ 15	33
UPPER: Water penetration after 60 min	g	6.3	≤ 0,2	0
UPPER: Water absorption after 60 min	%	6.3	≤ 30	5,0
INTERNAL LINING: Water vapour permeability	mg/(cm2*h)	5.5.3	≥ 2,0	6,3
INTERNAL LINING: Water vapour coefficient	mg/cm2	5.5.3	≥ 20	54,8
SOLE: Abrasion resistance	mm3	5.8.3	≤ 150	60
SOLE: Energy absorption of seat region (E)	J	6.2.4	≥ 20	42
SOLE: Flexural resistance	mm	5.8.4	≤ 4	0
SOLE: Interlayer bond strength	N/mm	5.8.6	≥ 4	9,6
OUTSOLE: Resistance to fuel oil (FO)	%	6.4.2	≤ 12	-1,0

## SOLE SLIP RESISTANCE SPECIFICATIONS

Friction coefficient	Clause	Requirement	Excess	
Ceramic-tile floor with NaLS (7°)	5.3.5.2	≥ 0,28	0,33	14%
Ceramic-tile floor with NaLS	5.3.5.2	≥ 0,32	0,32	-
Steel floor with glycerine (7°)	5.3.5.3	≥ 0,13	0,19	46%
Steel floor with glycerine	5.3.5.3	≥ 0,18	0,18	-

## STORAGE, CARE AND MAINTENANCE

- ✓ PANDA SAFETY footwear should be stored in original packaging, storage temperature should not exceed 35°C, humidity should be less than 80% and without influence of direct sunlight.
- ✓ Each sandal, shoe, boot should be cleaned after each use; dry off the shoes not in proximity to or in direct contact with stoves or other sources of heat.
- ✓ Carry out the periodic treatment of the uppers with suitable products containing wax, grease, silicone, etc.
- ✓ Avoid contact with aggressive chemicals and extreme temperatures.
- ✓ Verify the good state before each use.

The data provided in this technical sheet are subject to modification without notice in the event of evolution in materials and/or components.  
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**SAFE  
AT WORK**  
**HAPPY  
IN LIFE**