

QUARTZ S3S FO CI SC SR

3U017G

CE EN ISO 20345:2022 S3S FO CI SC SR

Ankle boot with side elastic band, IDROTECH® **WPA** oiled grain leather thickness 1,8-2,0 mm.

Perspiring and abrasion resistant lining.

COMPLETELY METAL FREE BOOT

TOECAP 200J polymeric composite non-thermic according to EN 22568

MIDSOLE flexible anti-perforation composite according to EN 22568

BULTRA SOLE three-densities antistatic polyurethane, resistant to hydrolysis ISO 5423:92, to hydrocarbons and to abrasion, anti-shock and anti-slipping.

ANTI TORSION insert in the sole to ensure stability on uneven grounds

MEMORY INSOLE, extra comfort trimaterial insole with soft PU Memory foam cushion that relieves fatigue in the heel and resists body pressure. Breathable, removable, anatomical, absorbent, antibacterial, and ESD.

FO sole resistance to hydrocarbons

CI insulating against cold till -17°

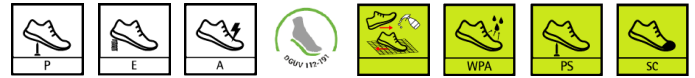
SC Overcup resistance to abrasion

SR sole resistance against slipping

Sizes 39-47 Weight size 42 gr.575



CERTIFICATIONS



TECHNOLOGIES AND MATERIALS



SECTORS

-  FARMING AND MINING
-  COMPONENTS AND AUTOMOTIVE
-  BUILDING AND HEAVY INDUSTRY
-  LOGISTICS AND LIGHT INDUSTRY
-  COLD PLACES
-  OIL AND GAS

SOLE



The 3Ultra line represents the highest technologic development on sole, *materials' quality* and *protection* levels.

This line was thought and designed for high-risk and outdoor environment. It belongs to the 3D generation, so the sole is made by 3 layers, each one with a specific function:

anti-slipping, stability and **comfort**. But not only: we introduced also the *anti-vibration* characteristic, which absorbs the vibrations coming from machineries or moving vehicles

A completely metal free line, certified in accordance with the updated norm **EN ISO 23045:2022**, including also:

PS antiperforation midsole to non-metallic nail ø 3mm

SR sole resistance against slipping (ceramic floor + glycerin)

SC over cup resistance to abrasion

Moreover, the entire line is equipped with the anti-torsion insert, to ensure an additional foot support at every step, and with the memory insole for the maximum comfort.

ANTISLIPPING TEST RESULTS



slip resistance mandatory for "conventional" outside ceramic tile floor with NaLS

		request	results	request	results
RIGHT	A - forward heel slip (7°)	≥ 0,31	0,44	B - backward forepart slip (7°)	≥ 0,36 0,44
	LEFT	A - forward heel slip (7°)	≥ 0,31 0,44	B - backward forepart slip (7°)	≥ 0,36 0,44



slip resistance (SR) optional ceramic tile floor with glycerine

		request	results	request	results
RIGHT	C - forward heel slip (7°)	≥ 0,19	0,24	D - backward forepart slip (7°)	≥ 0,22 0,24
	LEFT	C - forward heel slip (7°)	≥ 0,19 0,24	D - backward forepart slip (7°)	≥ 0,22 0,24

PLUS



ANTI TORSION

The usage of the anti-torsion shank is finalized to give to the shoe extreme stability on every ground. Mostly indicated for the building sector, where the risks caused by uneven and wet grounds are higher, this technology is very useful for people working on ladders (painters, windows' cleaners, bricklayers) as it increases the stability in the central part of the plant, the mostly standed area on the ladder. It limits the heel stress and helps plant arch and ankle.



3D TRIPLA DENSITA' INIETTATA

3D is a revolutionary certified technology that offers the only shoe with three different layers of polyurethane injected. The most external section, with hard mix, offers the maximum resistance for the surface contact and perfect SRC performances. The middle part, with a softer mix, assures comfort when walking. The higher section, next to the upper, guarantees better stability to the foot. Three densities and the combination of three colors are the special characteristics of this new shoes generation.



MEMORY FOAM INSOLE

The MEMORY FOAM insole guarantees an excellent comfort thanks to the innovative material of which it is made, which allows it to adapt to the shape of the foot. This, in addition to making walking more pleasant, supports posture, improves the fit of the shoe and distributes the body weight better. Moreover, this stabilizes the foot and reduces the impact with the ground, absorbing shocks and guaranteeing an excellent shock absorber.