

Article **MUNICH**
 Category **S3 CI HRO SRC**
 Sizes **38 - 47**
 Width **11**
 Weight (half pair, sz 42) **710 gr**
 Metal free **Yes**
 Certification **CE**



RAIN & COLD

UPPER	water resistant full grain leather. Side zip for easy pull on
LINING	Synthetic fur for thermal insulation
TOE CAP	non-magnetic toecap, from composite materials. 50% lighter than steel
ANTI-PERFORATION MIDSOLE	non-magnetic, perforation resistance composite fabric plate. It is 40% lighter and more flexible than steel plate and at the same time guarantees an optimal protection covering 100% of the foot surface. Certified EN 12568:2010
FOOTBED	insole PU 10mm expanded, covered with antibacterial fabric
SOLE	PU/Vibram® rubber with high profile and deep tread for extreme condition of use. Resistant to heat contact up to 300 °C

	Requirements	Test Results
UPPER	EN ISO 20345:2011	
Water Vapour Permeability	mg/cmq*h ≥ 0,8	5,7
Water Vapour Coefficient	mg/cmq ≥ 15	53,3
LINING		
Water Vapour Permeability	mg/cmq*h ≥ 2	7,7
Water Vapour Coefficient	mg/cmq ≥ 20	71,6
TOECAP		
Impact resistance: clearence under the toecap	mm ≥ 14	15
Compression resistance: clearence under the toecap	mm ≥ 14	15,5
ANTI-PERFORATION MIDSOLE		
Penetration resistance (EN ISO 12568:2010)	N ≥ 1100	≥ 1100
ELECTRICAL RESISTANCE		
- wet condition (85% relative humidity)	MΩ ≥ 0,1	71
- dry condition (30% relative humidity)	MΩ ≤ 1000	450
SOLE		
Abrasion resistance: relative volume loss	mm' ≤ 150	50
Flexing resistance: cut growth	mm ≤ 4	1,5
Resistance to fuel oil: volume increase	% ≤ 12	1
Energy absorption of seat region	J ≥ 20	36
Slip resistance on	7° Heel ≥ 0,13	0,15
steel ground with glycerine	Flat ≥ 0,18	0,19
Slip resistance on	7° Heel ≥ 0,28	0,34
ceramics ground with detergent	Flat ≥ 0,32	0,46

