



 **PROTEKTOR**

WE ARE INSPIRED
BY **PEOPLE** AND
THEIR **SAFETY**



Technologies



SHOCK=ABSORBER

Shock absorption, reduces the occurrence of micro-damage. SHOCK ABSORBER is a technology used in the construction of specialised footwear soles, which is designed to relieve as much pressure as possible on the joints during movement. The system is located in the sole in the form of contrasting inserts. SHOCK ABSORBER disperses huge amounts of kinetic energy, which affects the body with every step. In addition to significantly increasing the ergonomic value of the footwear, SHOCK ABSORBER technology helps prevent postural defects and injuries.

PROTENDON

The special construction of the upper is the application of PRO-TENDON technology, aimed at strengthening the protection of the Achilles tendon, which significantly improves the resistance to mechanical injury. In addition, this construction stabilises the ankle joint, which reduces the possibility of its twisting.

ANA=TECH

ANA-TECH is a technology whose secret is the carefully designed shape of the sole. The widened heel area helps to minimise the risk of ankle sprains, thanks to a larger surface area adjacent to the floor than in standard footwear.

PRT FLEX

PRT FLEX - technology ensuring comfort of use. High flexibility of the shoe is achieved by elevating the nose pad and the back of the tread, which allows the sole to adapt to the anatomical movements of the foot when walking, bending, kneeling and working in various positions of the body. With PRT FLEX, it becomes much easier to move over a diverse surface due to the flexibility of the sole and its ability to adapt to the natural changes in the position of the foot in the shoe.

Technologies



SELF CLEAN

The SELF CLEAN technology used in the design of the sole is a system of channels in the tread that automatically drain water on a regular basis. This allows you to maintain proper grip and stability even on wet surfaces. SELF CLEAN provides extra support even when moving intensively between wet and dry ground.

UV PROTECTION

UV PROTECTION is a technology applied to the entire length of the shoe, protecting against the effects of UV rays on the materials from which it is made. This extends the durability and lifetime of footwear and makes it easier to keep the leather in good condition. The technology also helps to maintain the optimum temperature inside the footwear on sunny days.

C°LD PROTECTION

The COLD PROTECTION technology provides insulation for the user's foot at very low temperatures. It guarantees thermal comfort when working in cold stores, freezers and in winter weather conditions.

The unique, durable and developed COLD PROTECTION system is a construction/technology/material composition created in cooperation with our technology partners. In terms of materials, COLD PROTECTION consists of thermal insulating elements in the upper (using the technological material Thinsulate) and a special blend of materials in the sole.

The Thinsulate material used is a unique microfibre technology that ensures the highest thermal parameters with the lowest weight and thickness. The material is waterproof and breathable at the same time. It is durable and hypoallergenic.

Features



QUICK DONNING SYSTEM



DECLARATION OF CONFORMITY



REFLECTIVE ELEMENTS



BELLOWS TONGUE



NON-FLAMMABLE SOLE



HEAT RESISTANT SOLE



MEMBRANE LINING



INCREASED SLIP RESISTANCE



INSULATED



LADDER SOLE



PROTECTION AGAINST ELECTROSTATIC DISCHARGE



ORTHOPEDIC INSOLES USED



HACCP - COMPLIANT FOOTWEAR



NO LINING



INTEGRATED INSOLE



MASSAGING INSOLE



QUICK SHOE REMOVAL SYSTEM



FOOTWEAR WITHOUT METAL ELEMENTS



RESISTANCE AGAINST ACIDS



RESISTANCE AGAINST BASES



WASHABLE 30°



WASHABLE 60°



HI - ISOLATION OF THE BOTTOM FROM THE HEAT



INCREASED BREATHABILITY



INCREASED WATER RESISTANCE



INCREASED DURABILITY OF THE UPPER



HEAT-RESISTANT LEATHER



ATEX - FOOTWEAR INTENDED FOR USE IN POTENTIALLY EXPLOSIVE AREAS



SPECIALISED FIREFIGHTERS FOOTWEAR INCREASED SLIP



RESISTANCE TO BRIEF CONTACT WITH HOT SUBSTANCES UP TO 180°C



CI - ISOLATION OF THE BOTTOM FROM THE COLD



HI3 - ISOLATION FROM HEAT, THE THIRD LEVEL OF THERMAL RESISTANCE



A - ANTISTATIC FOOTWEAR



POSSIBILITY OF DESINFECTION



AUTOCLAVABLE AT TEMPERATURES UP TO 134°



AN - ANKLE PROTECTION



REPLACEABLE INSOLE



ANTIBACTERIAL INSOLE



ANTIBACTERIAL LINING



ALUMINIUM TOE CAP



STEEL TOE CAP



COMPOSITE TOE CAP



TOE CAP PROTECTION



EASY-CLEAN UPPER



RESISTANCE OF THE BOTTOM TO CONTACT WITH THE HOT SURFACE



P - PUNCTURE RESISTANCE WITH A FORCE OF 1100 N



E - ENERGY ABSORPTION IN THE HEEL AREA



FO - THE SOLE RESISTANT TO DIESEL FUEL



WRU - WATER PERMEABILITY AND WATER ABSORPTION OF THE FACE MATERIAL



WR - WATER RESISTANCE OF FOOTWEAR

Certificates and symbols



SAFETY (S) FOOTWEAR is used in workplaces where there is a risk of mechanical injury. It is equipped with toe caps that protect the toes from injury. Their durability is tested by an impact with energy of 200 J and a compression of at least 15kN. Safety footwear is classified as personal protective equipment and meets the requirements of the standard EN ISO 20345:2011.

	Requirements						
Categories of occupational footwear (S)	SB	S1	S2	S3	S4	S5	S1P
Toe cap - toe protection against impact with energy of 200 J and a compression of at least 15 kN	✓	✓	✓	✓	✓	✓	✓
Puncture resistance (P)				✓		✓	✓
Closed heel area		✓	✓	✓	✓	✓	✓
Slip resistance (SRA or SRB or SRC)	✓	✓	✓	✓	✓	✓	✓
Antistatic properties (A)		✓	✓	✓	✓	✓	✓
Energy absorption in the heel area (E)		✓	✓	✓	✓	✓	✓
Water penetration resistance (WRU)			✓	✓			
Water resistance (WR)					✓	✓	
Resistance to contact with oil (FO)		✓	✓	✓	✓	✓	✓
Carved sole				✓		✓	

OCCUPATIONAL (O) FOOTWEAR - footwear with protective properties designed to protect the wearer from injuries that may result from accidents. Occupational footwear is classified as personal protective equipment and meets the requirements of EN ISO 20347:2012.

	Requirements					
Categories of occupational footwear (O)	OB	O1	O2	O3	O4	O5
Puncture resistance (P)				✓		✓
Closed heel area		✓	✓	✓	✓	✓
Resistance to contact with oil						
Antistatic properties (A)		✓	✓	✓	✓	✓
Energy absorption in the heel area (E)		✓	✓	✓	✓	✓
Water penetration resistance (WRU)			✓	✓		
Water resistance (WR)					✓	✓
Slip resistance (SRA or SRB or SRC)	✓	✓	✓	✓	✓	✓
Carved sole				✓		✓

CONSTRUCT Series



5005850



5005851



5025850



5025851



5010850



5010851



5010940 HRO



5010906 - COLD PROTECTION technology




5010956 HRO




5010864 - COLD PROTECTION technology


CONSTRUCT

PT PRO-Tendon Technology

 bellows tongue

 increased water resistance

METAL FREE metal free

 1,8-2,0 mm thickness of the upper leather

COMP composite toe cap

Sole PU / RUBBER

 **SELF CLEAN Technology**
(self clean sole)











 **STABLE HOLD ON LADDERS**

 **PRT FLEX Technology**

 **SHOCK ABSORBER Technology**
energy absorption in the heel area according to the standard minimum 20J, our result 30.6J

 **ANA - TECH Technology**
(widened heel area)
in size 42 the heel area is 92 mm wide

- resistance to acids
- resistance to short-term contact with hot ground at a temperature of 180°C
- increased abrasion resistance required by the standard: less than or equal to 150 mm³ - our result 70 mm³

LINE article number	CONSTRUCT 5005850	CONSTRUCT 5005851	CONSTRUCT 5010850	CONSTRUCT 5010851	CONSTRUCT 5025850	CONSTRUCT 5025851	CONSTRUCT 5010940	CONSTRUCT 5010906	CONSTRUCT 5010956	CONSTRUCT 5010864
footwear type color assembly system / type of sole upper material sizes weight of a half pair	shoes beige pu/rubber injection nubuck 38 - 48 0,64 kg (r.42)	boots beige pu/rubber injection nubuck 38 - 48 0,70 kg (r.42)	shoes black pu/rubber injection grain leather 35 - 51 0,67 kg (r.42)	boots black pu/rubber injection grain leather 35 - 51 0,72 kg (r.42)	shoes gray pu/rubber injection nubuck 38 - 48 0,64 kg (r.42)	boots gray pu/rubber injection nubuck 36 - 48 0,70 kg (r.42)	boots black pu/rubber injection grain leather 36 - 50 0,75 kg (r.42)	boots black pu/rubber injection grain leather 36 - 50 0,85 kg (r.42)	boots black pu/rubber injection grain leather / fabric 35 - 51 0,73 kg (r.42)	boots black pu/rubber injection grain leather / fabric 36 - 50 0,73 kg (r.42)
										
PROTECTION CATEGORY	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3
PROPERTIES	HI3									
	P	•	•	•	•	•	•	•	•	•
	SRB	•	•	•	•	•	•	•	•	•
	SRB									
	SRA									
	ESD							•		•
	A	•	•	•	•	•	•	•	•	•
	E	•	•	•	•	•	•	•	•	•
	FO	•	•	•	•	•	•	•	•	•
	HI									
	CI	•	•	•	•	•	•	•	•	•
	HRO									
INCREASED	WR			•	•	•	•	•	•	•
	WRU	•	•	•	•	•	•	•	•	•
	SLIP RESISTANCE									
	BREATHABILITY	•	•	•	•	•	•		•	•
TOE CAP	WATER RESISTANCE	•	•	•	•	•			•	•
	DURABILITY OF THE UPPER			•	•		•	•	•	•
COMPOSITE	COMPOSITE	•	•	•	•	•	•	•	•	•
	STEEL									
ADDITIONAL FEATURES	ALUMINIUM									
	HEAT-RESISTANT SOLE						•	•	•	•
	NON-FLAMMABLE SOLE									
	METAL FREE	•	•	•	•	•	•	•	•	•
	EASY-CLEAN UPPER									
	ANTIBACTERIAL LINING									
	MEMBRANE LINING						•	•	•	•
	TOE CAP PROTECTION	•	•	•	•	•	•	•	•	•
	HEAT RESISTANT LEATHER									
	REFLECTIVE ELEMENTS						•	•		
	BELLOWS TONGUE	•	•	•	•	•	•	•	•	•
	QUICK DONNING SYSTEM									
	QUICK SHOE REMOVAL SYSTEM									
	LADDER SOLE	•	•	•	•	•	•	•	•	•
INSOLE	NO LINING									
	ANKLE PROTECTION									
	INSULATED							•		
	ANTIBACTERIAL									
	ORTHOPEDIC									
OTHER	REPLACEABLE	•	•	•	•	•	•	•	•	•
	INTEGRATED									
	MASSAGE									
	AUTOCLAVABLE									
TECHNOLOGIES	DISINFECTION	•	•	•	•	•	•	•	•	•
	WASHABLE 30°C									
	WASHABLE 60°C									
	HACCP									
	ATEX									
	PRT FLEX	•	•	•	•	•	•	•	•	•
	SHOCK ABSORBER	•	•	•	•	•	•	•	•	•
	ANA-TECH	•	•	•	•	•	•	•	•	•
	SELF CLEAN	•	•	•	•	•	•	•	•	•
	PRO-TENDON		•		•	•	•	•	•	•
	UV PROTECTION									
	COLD PROTECTION							•		•

Advantages - Construct

Increased breathability



Lining

- increased water vapor permeability in the requirements of min 0.8 mg / (cm²*h) - **our result is 42.9 mg / (cm²*h)**
- the water vapor coefficient is required at least 15 mg/cm² - **our result is 343,3 mg/cm²**

Collar and tongue material

- increased water vapor permeability in the requirements of min 0.8 mg / (cm²*h) - **our result is 58,2mg/ (cm²*h)**
- the water vapor coefficient is minimum 15 mg/cm² - **our result is 466 mg/cm² Nubuk**
- increased water vapor permeability in the requirements of min 0,8mg/ (cm²*h) - **our result is 10,3mg/ (cm²*h)**

Increased water resistance



Nubuk

- water permeability after 60 minutes under dynamic conditions in requirements not more than 0,2g - **our result is 0,02g**
- ater absorption after 60 minutes under dynamic conditions in requirements not more than 30% - **our result is 5,3%**

Grain leather

- excellent tensile strength parameters, a minimum of 15 N/mm² is required and **our result is 29.1 N/mm²**

CRAFT Series



5010853



5010852



5010854 Thinsulate




CRAFT



Sole PU / PU



- resistance to acids and alkalis
- resistance to short-term contact with hot ground at a temperature of 180°C
- increased abrasion resistance required by the standard: less than or equal to 150 mm³ - our result 24 mm³

LINE		CRAFT	CRAFT	CRAFT
article number		5010852	5010853	5010854
footwear type color assembly system / type of sole upper material sizes weight of a half pair		ankle boots black pu/pu injection grain leather 35 - 51 0,71 kg	półbuty black pu/pu injection grain leather 35 - 51 0,66 kg	ankle boots black pu/pu injection grain leather 35 - 51 0,69 kg
				
PROTECTION CATEGORY		S3	S3	S3
PROPERTIES	HI3			
	P	•	•	•
	SRC	•	•	•
	SRB			
	SRA			
	ESD	•	•	•
	A	•	•	•
	E	•	•	•
	FO	•	•	•
	HI			
	CI	•	•	•
	HRO			
	WR	•	•	•
	WRU	•	•	•
INCREASED	SLIP RESISTANCE			
	BREATHABILITY	•	•	•
	WATER RESISTANCE			
	DURABILITY OF THE UPPER	•	•	•
TOE CAP	COMPOSITE	•	•	•
	STEEL			
	ALUMINIUM			
ADDITIONAL FEATURES	HEAT-RESISTANT SOLE			
	NON-FLAMABLE SOLE			
	METAL FREE	•	•	•
	EASY-CLEAN UPPER	•	•	•
	ANTIBACTERIAL LINING			
	MEMBRANE LINING			
	TOE CAP PROTECTION	•	•	•
	HEAT-RESISTANT LEATHER			
	REFLECTIVE ELEMENTS			
	BELLOWS TONGUE	•	•	•
	QUICK DONNING SYSTEM			
	QUICK SHOE REMOVAL			
	LADDER SOLE	•	•	•
	NO LINING			
INSOLE	ANKLE PROTECTION			
	INSULATED			•
	ANTIBACTERIAL			
	ORTHOPEDIC	•	•	•
OTHER	REPLACEABLE	•	•	•
	INTEGRATED			
	MASSAGE			
	AUTOCLAVABLE			
	DISINFECTION	•	•	•
	WASHABLE 30°C			
TECHNOLOGIES	WASHABLE 60°C			
	HACCP			
	ATEX			
	PRT FLEX	•	•	•
	SHOCK ABSORBER	•	•	•
	ANA-TECH	•	•	•
	SELF CLEAN			
	PRO-TENDON	•		•
	UV PROTECTION			
	COLD PROTECTION			•



COLD PROTECTION technology

The COLD PROTECTION technology ensures that the wearer's foot is insulated against very low temperatures.

COLD PROTECTION consists of heat-insulating elements in the upper (using the technological material Thinsulate) and a special mixture of materials in the sole.

The models with the COLD PROTECTION technology:
5010854 **Thinsulate**

Advantages - Craft

Increased breathability



Lining

- increased water vapor permeability in the requirements of min 0.8 mg / (cm²*h)
- **our result is 42.9 mg / (cm²*h)**
- the water vapor coefficient is required at least 15 mg/cm²
- **our result is 343,3 mg/cm²**

Collar and tongue material

- increased water vapor permeability in the requirements of min 0.8 mg / (cm²*h)
- **our result is 58,2mg/ (cm²*h)**
- the water vapor coefficient is required at least 15 mg/cm²
- **our result is 466 mg/cm²**

ROAD Series



5005847



5005848



5005849



5015847



5015849



5015848

ROAD



DGUV 112-191
orthopedic insoles possible

bellows tongue

increased water resistance

COMP
composite toe cap

increased breathability

PT PRO-Tendon Technology

Sole PU / PU









PRT FLEX Technology

STABLE HOLD ON LADDERS

SHOCK ABSORBER Technology
energy absorption in the heel area according to the standard minimum 20J, our result 27.2J

ANA - TECH Technology
(widened heel area)
in size 42 the heel area is 95 mm wide

- resistance to acids and alkalis
- resistance to short-term contact with hot ground at a temperature of 180°C
- increased abrasion resistance required by the standard: less than or equal to 150 mm³ - our result 24 mm³

LINE article number	ROAD 5005847	ROAD 5005848	ROAD 5005849	ROAD 5015847	ROAD 5015848	ROAD 5015849
footwear type color assembly system / type of sole upper material sizes weight of a half pair	sandals green pu/pu injection velour leather 38 - 48 0,65 kg (r.42)	shoes green pu/pu injection velour leather 38 - 48 0,68 kg (r.42)	ankle boots green pu/pu injection velour leather 38 - 48 0,75 kg (r.42)	sandals black pu/pu injection velour leather 38 - 48 0,65 kg (r.42)	shoes black pu/pu injection velour leather 38 - 48 0,68 kg (r.42)	ankle boots black pu/pu injection velour leather 38 - 48 0,75 kg (r.42)
						
PROTECTION CATEGORY	S1P	S3	S3	S1P	S3	S3
PROPERTIES	HI3					
	P	•	•	•	•	•
	SRC	•	•	•	•	•
	SRB					
	SRA					
	ESD	•	•	•	•	•
	A	•	•	•	•	•
	E	•	•	•	•	•
	FO	•	•	•	•	•
	HI					
	CI		•	•	•	•
	HRO					
	WR					
INCREASED	WRU		•	•	•	•
	SLIP RESISTANCE					
	BREATHABILITY	•	•	•	•	•
	WATER RESISTANCE		•	•	•	•
TOE CAP	DURABILITY OF THE UPPER					
	COMPOSITE	•	•	•	•	•
	STEEL					
ADDITIONAL FEATURES	ALUMINUM					
	HEAT-RESISTANT SOLE					
	NON-FLAMMABLE SOLE					
	METAL FREE					
	EASY-CLEAN UPPER					
	ANTIBACTERIAL LINING					
	MEMBRANE LINING					
	TOE CAP PROTECTION	•	•	•	•	•
	HEAT-RESISTANT LEATHER					
	REFLECTIVE ELEMENTS					
	BELLOWS TONGUE		•	•	•	•
	QUICK DONNING SYSTEM					
	QUICK SHOE REMOVAL SYSTEM					
	LADDER SOLE	•	•	•	•	•
	NO LINING					
INSOLE	ANKLE PROTECTION					
	INSULATED					
	ANTIBACTERIAL					
	ORTHOPEDIC	•	•	•	•	•
OTHER	REPLACEABLE	•	•	•	•	•
	INTEGRATED					
	MASSAGE					
	AUTOCLAVABLE					
	DISINFECTION	•	•	•	•	•
TECHNOLOGIES	WASHABLE 30°					
	WASHABLE 60°					
	HACCP					
	ATEX					
	PRT FLEX	•	•	•	•	•
	SHOCK ABSORBER	•	•	•	•	•
	ANA-TECH	•	•	•	•	•
	SELF CLEAN					
	PRO-TENDON			•		•
	UV PROTECTION					
	COLD PROTECTION					

Advantages - Road

Increased breathability

Lining

- increased water vapor permeability in the requirements of min 0.8 mg / (cm² * h)
- **our result is 42.9 mg / (cm²*h)**
- the water vapor coefficient is required at least 15 mg/cm²
- **our result is 343,3 mg/cm²**

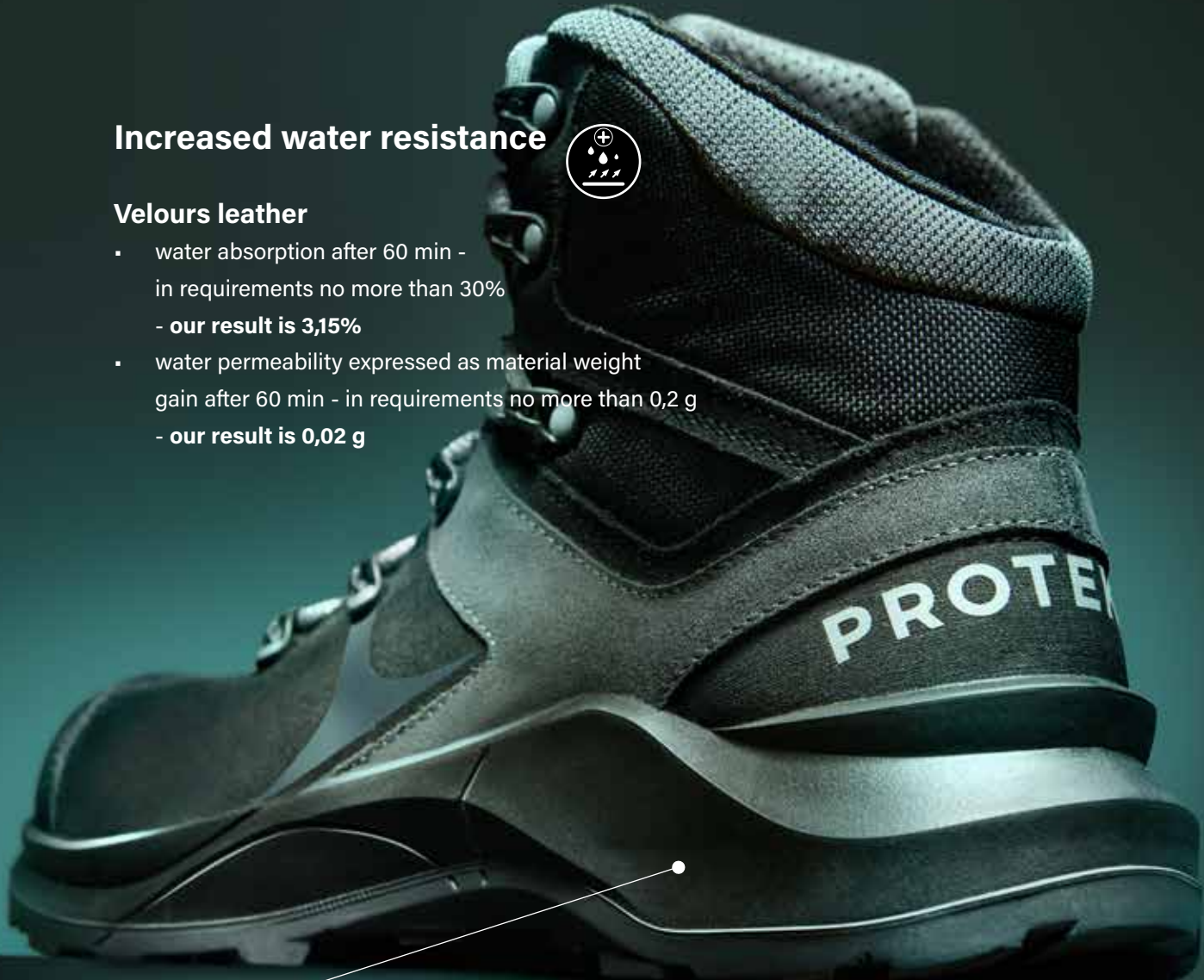
Collar and tongue material

- increased water vapor permeability in the requirements of min 0.8 mg / (cm² * h)
- **our result is 58,2mg/ (cm²*h)**
- the water vapor coefficient is minimum 15 mg/cm²
- **our result is 466 mg/cm² Nubuk**
- water vapor coefficient in requirements not less than 15 mg/cm²
- **our result 79.4 mg/cm² Velours leather**

Increased water resistance

Velours leather

- water absorption after 60 min -
in requirements no more than 30%
- **our result is 3,15%**
- water permeability expressed as material weight
gain after 60 min - in requirements no more than 0,2 g
- **our result is 0,02 g**



ANA-TECH Technology

widened heel area

TRAX Serie



5015841



5015842



5025841



5025842



5045842



5025374



5015374



5045841

TRAX

DGUV
112-191

orthopedic in-
soles possible

METAL
FREE

metal free

PROTEKTOR



increased
breathability



increased water
resistance



composite
toe cap

Sole PU / PU



PRT FLEX
Technology



STABLE HOLD
ON LADDERS



SHOCK ABSORBER
Technology









energy absorption in
the heel area according
to the standard min-
imum 20J, our result
27.2J



ANA - TECH
Technology

(widened heel area)
in size 42 the heel
area is 95 mm wide

- resistance to acids and alkalis
- resistance to short-term contact with hot ground at a temperature of 180°C
- increased abrasion resistance required by the standard: less than or equal to 150 mm³ - our result 24 mm³

LINE	TRAX	TRAX	TRAX	TRAX	TRAX	TRAX	TRAX	TRAX
article number	5015841	5015842	5025841	5025842	5045841	5045842	5025374	5015374
footwear type color assembly system / type of sole upper material sizes weight of a half pair	shoes black pu/pu injection velour leather 38 - 48 0,65 kg (r.42)	ankle boots black pu/pu injection velour leather 38 - 48 0,70 kg (r.42)	shoes gray pu/pu injection velour leather 38 - 48 0,65 kg (r.42)	ankle boots gray pu/pu injection velour leather 38 - 48 0,70 kg (r.42)	shoes navy blue pu/pu injection velour leather 38 - 48 0,65 kg (r.42)	ankle boots navy blue pu/pu injection velour leather 38 - 48 0,70 kg (r.42)	shoes gray pu/pu injection velour leather 36-51 0,64 kg (r.42)	shoes black pu/pu injection velour leather 36-50 0,64 kg (r.42)
								
PROTECTION CATEGORY	S3	S3	S3	S3	S3	S3	S1P	S1P
PROPERTIES	HI3							
	P	•	•	•	•	•	•	•
	SRC	•	•	•	•	•	•	•
	SRB							
	SRA							
	ESD	•	•	•	•	•	•	•
	A	•	•	•	•	•	•	•
	E	•	•	•	•	•	•	•
	FO	•	•	•	•	•	•	•
	HI							
	CI	•	•	•	•	•	•	•
	HRO							
	WR							
	WRU	•	•	•	•	•		
INCREASED	SLIP RESISTANCE							
	BREATHABILITY	•	•	•	•	•	•	•
	WATER RESISTANCE	•	•	•	•	•		
	DURABILITY OF THE UPPER						•	•
TOE CAP	COMPOSITE	•	•	•	•	•	•	•
	STEEL							
	ALUMINUM							
ADDITIONAL FEATURES	HEAT-RESISTANT SOLE							
	NON-FLAMMABLE SOLE							
	METAL FREE	•	•	•	•	•	•	•
	EASY-CLEAN UPPER	•	•	•	•	•	•	•
	ANTIBACTERIAL LINING							
	MEMBRANE LINING							
	TOE CAP PROTECTION						•	•
	HEAT-RESISTANT LEATHER							
	REFLECTIVE ELEMENTS							
	BELLOWS TONGUE							
	QUICK DONNING SYSTEM							
	QUICK SHOE REMOVAL SYSTEM							
	LADDER SOLE	•	•	•	•	•	•	•
	NO LINING							
	ANKLE PROTECTION							
INSOLE	INSULATED							
	ANTIBACTERIAL							
	ORTHOPEDIC	•	•	•	•	•		
	REPLACEABLE	•	•	•	•	•	•	•
	INTEGRATED							
OTHER	MASSAGE							
	AUTOCLAVABLE							
	DISINFECTION	•	•	•	•	•	•	•
	WASHABLE 30°							
	WASHABLE 60°							
TECHNOLOGIES	HACCP							
	ATEX							
	PRT FLEX	•	•	•	•	•	•	•
	SHOCK ABSORBER	•	•	•	•	•	•	•
	ANA-TECH	•	•	•	•	•	•	•
	SELF CLEAN							
	PRO-TENDON		•		•	•		
	UV PROTECTION							
	COLD PROTECTION							

Advantages - Trax

Increased breathability



Lining

- increased water vapor permeability in the requirements of min 0.8 mg / (cm² * h)
- **our result is 42.9 mg / (cm²*h)**
- the water vapor coefficient is required at least 15 mg/cm²
- **our result is 343,3 mg/cm²**
- water vapor coefficient in requirements not less than 15 mg/cm²
- **our result 79.4 mg/cm² Velours leather**

Increased water resistance



Velours leather

- water absorption after 60 min - in requirements no more than 30%
- **our result is 3,15%**
- water permeability expressed as material weight gain after 60 min - in requirements no more than 0,2 g
- **our result is 0,02 g**



PRT FLEX Technology

high flexibility of the sole to adapt to the anatomical movements of the foot, much easier to move over a diverse surface



TRAX AUTOMOTIVE Series



5005840



5005841






5005842

TRAX AUTOMOTIVE



Sole PU / PU



LINE article number	TRAX AUTOMOTIVE 5005840	TRAX AUTOMOTIVE 5005841	TRAX AUTOMOTIVE 5005842
footwear type color assembly system / type of sole upper material sizes weight of a half pair	sandals black pu/pu injection grain leather 38 - 48 0,64 kg (r.42)	shoes black pu/pu injection grain leather 38 - 48 0,75 kg (r.42)	ankle boots black pu/pu injection grain leather 38 - 48 0,70 kg (r.42)
			
PROTECTION CATEGORY	S1P	S3	S3
PROPERTIES	HI3		
	P	•	•
	SRC	•	•
	SRB		
	SRA		
	ESD	•	•
	A	•	•
	E	•	•
	FO	•	•
	HI		
	CI		•
	HRO		
	WR		
INCREASED	WRU		•
	SLIP RESISTANCE		
	BREATHABILITY	•	•
	WATER RESISTANCE		
TOE CAP	DURABILITY OF THE UPPER	•	•
	COMPOSITE	•	•
	STEEL		
ADDITIONAL FEATURES	ALUMINUM		
	HEAT-RESISTANT SOLE		
	NON-FLAMMABLE SOLE		
	METAL FREE	•	•
	EASY-CLEAN UPPER	•	•
	ANTIBACTERIAL LINING		
	MEMBRANE LINING		
	TOE CAP PROTECTION		
	HEAT-RESISTANT LEATHER		
	REFLECTIVE ELEMENTS		
	BELLOWS TONGUE		
	QUICK DONNING SYSTEM		
	QUICK SHOE REMOVAL SYSTEM		
	LADDER SOLE	•	•
	NO LINING		
INSOLE	ANKLE PROTECTION		
	INSULATED		
	ANTIBACTERIAL		
	ORTHOPEDIC	•	•
	REPLACEABLE	•	•
OTHER	INTEGRATED		
	MASSAGE		
	AUTOCLAVABLE		
	DISINFECTION	•	•
	WASHABLE 30°		
	WASHABLE 60°		
TECHNOLOGIES	HACCP		
	ATEX		
	PRT FLEX	•	•
	SHOCK ABSORBER	•	•
	ANA-TECH	•	•
	SELF CLEAN		
	PRO-TENDON		•
	UV PROTECTION		
	COLD PROTECTION		

Advantages - Trax Automotive

Increased breathability



Lining

- increased water vapor permeability in the requirements of min 0.8 mg / (cm²*h)
- **our result is 42.9 mg / (cm²*h)**
- the water vapor coefficient is required at least 15 mg/cm²
- **our result is 343,3 mg/cm²**

Collar and tongue material

- increased water vapor permeability in the requirements of min 0.8 mg / (cm²*h)
- **our result is 58,2mg/ (cm²*h)**
- the water vapor coefficient is required at least 15 mg/cm²
- **our result is 466 mg/cm²**



PRO-Tendon Technology

protection of the
Achilles tendon,
stabilises the ankle joint



increased durability
of the upper
grain leather - excellent
tensile strength parameters,
a minimum of 15 N/mm²
is required and
our result is 29.1 N/mm²

BASIC BLACK Series



252430



252383



252375



252373

BASIC BLACK



Sole PU / PU







**PRT FLEX
Technology**



**SHOCK ABSORBER
Technology**
energy absorption in the heel area according to the standard minimum 20J, our result 30J

passed slip resistance SR according to new norm EN ISO 20345:2022

- resistance to acids and alkalis
- resistance to short-term contact with hot ground at a temperature of 180°C
- increased abrasion resistance required by the standard: less than or equal to 150 mm³ - our result 53 mm³

LINE		BASIC BLACK	BASIC BLACK	BASIC BLACK	BASIC BLACK
article number		252430	252383	252375	252373
footwear type color assembly system / type of sole upper material sizes weight of a half pair		sandals black pu/pu injection microfiber 36-47 0,52 kg	shoes black pu/pu injection microfiber 36-47 0,49 kg	shoes black pu/pu injection microfiber/fabric 36-47 0,49 kg	ankle boots black pu/pu injection microfiber/fabric 36-47 0,59 kg
					
PROTECTION CATEGORY		S1P	S1P	S1P	S1P
PROPERTIES	HI3				
	P	•	•	•	•
	SRC	•	•	•	•
	SRB				
	SRA				
	ESD	•	•	•	•
	A	•	•	•	•
	E	•	•	•	•
	FO	•	•	•	•
	HI				
	CI	•	•	•	•
	HIRO				
	WR				•
	WRU				•
	SLIP RESISTANCE				
INCREASED	BREATHABILITY	•	•	•	•
	WATER RESISTANCE				
	DURABILITY OF THE UPPER				
TOE CAP	COMPOSITE	•	•	•	•
	STEEL				
	ALUMINUM				
ADDITIONAL FEATURES	HEAT-RESISTANT SOLE				
	NON-FLAMMABLE SOLE				
	METAL FREE	•		•	•
	EASY-CLEAN UPPER	•	•	•	•
	ANTIBACTERIAL LINING				
	MEMBRANE LINING				
	TOE CAP PROTECTION	•		•	•
	HEAT-RESISTANT LEATHER				
	REFLECTIVE ELEMENTS				
	BELLOWS TONGUE			•	•
	QUICK DONNING SYSTEM	•			
	QUICK SHOE REMOVAL SYSTEM	•			
	LADDER SOLE				
	NO LINING				
	ANKLE PROTECTION				
INSOLE	INSULATED				
	ANTIBACTERIAL				
	ORTHOPEDIC				
	REPLACEABLE	•	•	•	•
	INTEGRATED				
OTHER	MASSAGE				
	AUTOCLAVABLE				
	DISINFECTION				
	WASHABLE 30°		•		
	WASHABLE 60°				
TECHNOLOGIES	HACCP				
	ATEX				
	PRT FLEX	•	•	•	•
	SHOCK ABSORBER	•	•	•	•
	ANA-TECH				
	SELF CLEAN				
	PRO-TENDON				
	UV PROTECTION				
	COLD PROTECTION				

Advantages - Basic Black

Increased breathability



Microfiber

- the water vapor coefficient is required at least 15 mg/cm²
- our result is 31,4 mg/cm²



Special shoes



SOLIGOR - 5010948

- S3 • increased breathability • steel toe cap • suitable for working on the knees • bellows tongue
- resistance to short-term contact with hot ground at 180°C • PRO-TENDON • PRT FLEX • Shock Absorber • SELF CLEAN



SOLIGOR - 5010968



ASPHALT - 5010427

- S2 • increased water resistance • increased durability of the upper • heat resistant leather • heat resistant outsole



ASPHALT - 5010410



FORTO - 5010966 - S3

- easy-clean upper • PRT FLEX • Shock Absorber • SELF CLEAN • ANA-TECH technology



FORTO - 5010965 - O2



FENIX - 5010962

- S2 • steel toe cap • resistance to acids
- PRT FLEX • Shock Absorber • SELF CLEAN • ANA-TECH technology



GATOR - 5010963

- O2 • resistance to acids • PRT FLEX
- Shock Absorber • SELF CLEAN
- ANA-TECH technology



WELDER - 5010964

- S3 • steel toe cap • resistance to acids • PRT FLEX
- Shock Absorber • SELF CLEAN • ANA-TECH technology



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