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# TECHNICAL DATA SHEET

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**VITAMEN HIGH BLACK S3**  
High shoe in water repellent  
suede leather

## PROTECTIONS FOR THIS MODEL



Sizes available from 38 (5) to 48 (12)  
Weight for size 42 (8) : 1200 gr.  
Norm EN ISO 20345 : 2011  
AET N° 0161/19926/13

### Upper features

- Upper : water repellent suede leather
- Tongue : water repellent suede leather
- Lining : three dimensionnal micro-porous textile
- Vamp lining : synthetic
- Counter: synderme
- Eyelets : metallic
- Laces : polyamide
- Tongue marking : size, manufacturer, manufacture date (month, year), norm, protection, CE marking.

### Protections

- Toecap : polycarbonate (200 joules)
- Anti-perforation insert : high tenacity composite fabric « 0 » penetration (1100 N)

### Fitting features

- Natur'form (large)
- Lasting : California
- Lasting insole : textile
- Insock : foam and textile

### Sole features

- Name : CITY
- Material : dual density polyurethane
- Comfort sole density : 0,5
- Comfort sole color : dark grey
- Outsole density : 1
- Outsole color : black
- Slip resistance SRA (flat) : 0,47; (heel) : 0,50
- Slip resistance SRB (flat) : 0,21 ; (heel) : 0,20

## Basics and additional requirements of the norm EN ISO 20345

	Steel toecap		Polycarbonate toecap		Aluminium toecap (200 joules)
	Steel midsole		Non-metallic midsole		
	A	Electric resistance – Antistatic shoes.			
	CI	Insulating sole against cold.			
	E	Heel energy absorption.			
	Fo	Hydrocarbons resistance of the undermine sole.			
	Hi	Insulating sole against heat.			
	HRO	Heat resistance of the sole.			
	M	Metatarsal protection.			
	P	Perforation resistance.			
	Wru	Water repellent upper.			
	Wr	Water resistant footwear.			



Regarding the norm EN ISO 20345, the minimum results for slip resistance to get the SRC certificate are :  
SRA (flat) ≥ 0,32  
SRA (heel) ≥ 0,28  
SRB (flat) ≥ 0,18  
SRB (heel) ≥ 0,13

## Advantages = End users benefits

- **Elegant and modern look in all circumstances**
- **Ankle protection**
- **Three-dimensional micro-porous textile as lining** : High breathability thanks to its structure that allows better ventilation of sweat. It is flexible and it improves comfort.
- **Composite toecap** made of injected polycarbonate, ergonomic, light, elastic and thermic insulation (not sensitive to variation and heat transfer between -10°C to 40°C).
- **Dual density polyurethane sole PU2D** : very versatile with good antistatic properties, resistance to hydrolysis and heat and shock absorption.
- **Anti-perforation insert high tenacity composite fabric « 0 » penetration** : ultra-light, ultra-flexible (insensitive to worn), thermally insulating (insensitive to temperature transfers) and protects 100% of the surface of the foot.
- **SOLE CITY** :
  - ✓ **Slip resistant sole**
  - ✓ **Dual density PU** : excellent comfort even in extreme flexing conditions
  - ✓ **Defined heel** : safety shoe with an additional precaution especially on ladders
  - ✓ **Heel shock absorber** for better comfort
  - ✓ **Very resistant to landslides** thanks to the studded open structure for better drainage of liquids
  - ✓ **Elegant sole**
  - ✓ **Antistatic**