



## SABATON | 10 001

**Features:**

Size Range: 5 - 12

Colour: **Black**

Sole: **Foamed polyester polyurethane**

Heat Resistance: **Up to 95° Celsius**

Upper: **Genuine Leather- Barton Print**

Tongue: **Full Bellows tongue**

Accreditation: **SANS/ISO 20345**



**Oil & Acid Resistance:** Refer to table on page 12



## SABATON | 10 002

**Features:**

Size Range: 5 - 12

Colour: **Black**

Sole: **Foamed polyester polyurethane**

Heat Resistance: **Up to 95° Celsius**

Upper: **Genuine Leather- Barton Print**

Tongue: **Full Bellows tongue**

Accreditation: **SANS/ISO 20345**



**Oil & Acid Resistance:** Refer to table on page 12

Our Dual Density PU Range offers great slip resistance. The medium density midsole acts as a cushion for added comfort.



The majority of our safety footwear styles are manufactured using direct injection moulded dual density polyurethane. Polyurethanes are organic polymers made by the reaction of diisocyanates with other di-functional compounds such as glycols. Foamed polyurethanes such as these used in the soles of **Frams safety footwear**, result from the reaction of diisocyanates with polyesters.



## NDLOVU PUMBA | 8401

**Features:**

Size Range: 3 - 13

Colour: **Black**

Sole: **Generic PU Dual Density Sole**

Heat Resistance: **Up to 95° Celsius**

Upper: **Genuine Leather- Barton Print**

Tongue: **Full Bellows Tongue**

Accreditation: **EN 20345**



**Oil & Acid Resistance:** Refer to table on page 12



## NDLOVU ADDO | 8402

**Features:**

Size Range: 3 - 13

Colour: **Black**

Sole: **Generic PU Dual Density Sole**

Heat Resistance: **Up to 95° Celsius**

Upper: **Genuine Leather- Barton Print**

Tongue: **Full Bellows Tongue**

Accreditation: **EN 20345**



**Oil & Acid Resistance:** Refer to table on page 12



## GEO-TREAD | 2911

**Features:**

Size Range: 4 - 13

Colour: **Black**

Sole: **Frams Level 2 PU Dual Density Sole for Improved Comfort**

Heat Resistance: **Up to 95° Celsius**

Upper: **Genuine Leather - Barton Print**

Tongue: **Gibson Style**

Accreditation: **SANS/ISO 20345**



**Oil & Acid Resistance:** Refer to table on page 12



## GEO-TREK | 4911

## GEO-CLIMB | 4912



**Features:**

Size Range: 4 - 13

Colour: **Black (4911) and Brown (4912)**

Sole: **Frams Level 2 PU Dual Density Sole for Improved Comfort**

Heat Resistance: **Up to 95° Celsius**

Upper: **Genuine Leather - Barton Print**

Tongue: **Padded Bellows Tongue**

Accreditation: **SANS/ISO 20345**



**Oil & Acid Resistance:** Refer to table on page 12



## GEO-MOVE | 2701

**Features:**

Size Range: 4 - 13

Colour: **Black**

Sole: **Frams Level 2 PU Dual Density Sole for Improved Comfort**

Heat Resistance: **Up to 95° Celsius**

Upper: **Genuine Leather - Apollo Print**

Tongue: **Padded Bellows Tongue**

Accreditation: **SANS/ISO 20345**



**Oil & Acid Resistance:** Refer to table on page 12



## GEO-ROAM | 4701

## GEO-STEP | 4712

**Features:**

Size Range: 4 - 13

Colour: **Black (4701) and Brown (4712)**

Sole: **Frams Level 2 PU Dual Density Sole for Improved Comfort**

Heat Resistance: **Up to 95° Celsius**

Upper: **Genuine Leather - Apollo Print**

Tongue: **Padded Bellows Tongue**

Accreditation: **SANS/ISO 20345**



**Oil & Acid Resistance:** Refer to table on page 12



## GEO-COUNTESS | 3905

**Features:**

Size Range: 2 - 8

 Colour: **Black**

 Sole: **Frams Level 2 PU Dual Density Sole for Improved Comfort**

 Heat Resistance: **Up to 95° Celsius**

 Upper: **Genuine Leather - Smooth**

 Tongue: **Padded Bellows Tongue**

 Accreditation: **EN 20345**

**Oil & Acid Resistance:** Refer to table on page 12

## GEO-EMPRESS | 3915

**Features:**

Size Range: 2 - 8

 Colour: **Black**

 Sole: **Frams Level 2 PU Dual Density Sole for Improved Comfort**

 Heat Resistance: **Up to 95° Celsius**

 Upper: **Genuine Leather - Smooth**

 Tongue: **Padded Bellows Tongue**

 Accreditation: **EN 20345**

**Oil & Acid Resistance:** Refer to table on page 12

# PU/TPU RANGE

The outer-wearing sole is made from injected Thermoplastic Polyurethane (TPU), which offers superior abrasion and cut resistance, making it ideal for people working in environments where there are glass shards, metal shavings, etc. The midsole is injected with a low density, flexible Polyurethane (PU) for superior comfort and flexibility.

#### Benefits of PU/TPU

- Lightweight
- Anti-static
- Good insulation properties
- Comfort
- Durability
- High abrasion resistance
- Oil and grease resistance



## EXCEL | 9003

**Features:**

Size Range: 4 - 13

 Colour: **Black**

 Sole: **PU/TPU Dual Density Sole for Improved Abrasion Resistance**

 Heat Resistance: **Up to 95° Celsius**

 Upper: **Full Grain Leather- Smooth**

 Tongue: **Padded Gibson Style Tongue**

 Accreditation: **EN/ISO 20345**

**Oil & Acid Resistance:** Refer to table on page 12


## IGNITE | 9004

**Features:**

Size Range: 4 - 13

 Colour: **Black**

 Sole: **PU/TPU Dual Density Sole for Improved Abrasion Resistance**

 Heat Resistance: **Up to 95° Celsius**

 Upper: **Full Grain Leather- Smooth**

 Tongue: **Padded Bellows Tongue**

 Accreditation: **EN/ISO 20345**

**Oil & Acid Resistance:** Refer to table on page 12



# PU/RUBBER INYATI RANGE

Manufactured in South Africa, the Inyati range features injected dual density Polyurethane/Rubber soles with full leather uppers, offering resistance from water, acid and oil.

Inyati products with their rubber outsole are heat resistant up to 300°C and offer reliable protection from wet and cold conditions as well as excellent durability at an affordable price.

INYATI BY FRAMS





## ERUPTION 2043



Size Range:	4 - 13
STC:	Yes
Accreditation:	SANS/ISO 20345
Colour:	Brown
Heat Resistance:	Up to 300° Celsius
Non Conductive Sole:	Yes
Sole:	PU/Rubber
Upper:	Full Grain Leather



## WARRIOR 2053



Size Range:	4 - 13
STC:	Yes
Accreditation:	SANS/ISO 20345
Colour:	Black
Heat Resistance:	Up to 300° Celsius
Non Conductive Sole:	Yes
Sole:	PU/Rubber
Upper:	Full Grain Leather



## SPARTAN 4001



Size Range:	4 - 13
STC:	Yes
Accreditation:	SANS/ISO 20345
Colour:	Black
Heat Resistance:	Up to 300° Celsius
Non Conductive Sole:	Yes
Sole:	PU/Rubber
Upper:	Full Grain Leather





## EVOLUTION 4043



Size Range:	4 - 13
STC:	Yes
Accreditation:	SANS/ISO 20345
Colour:	Brown
Heat Resistance:	Up to 300° Celsius
Non Conductive Sole:	Yes
Sole:	PU/Rubber
Upper:	Full Grain Leather



## TITANIUM 4060



Size Range:	4 - 13
STC:	Yes
Accreditation:	EN/ISO 20345
Colour:	Black
Heat Resistance:	Up to 300° Celsius
Non Conductive Sole:	Yes
Sole:	PU/Rubber
Upper:	Full Grain Leather



## OCTANE 4563

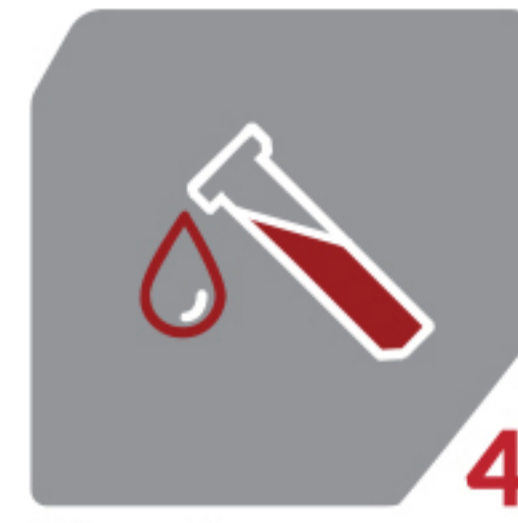
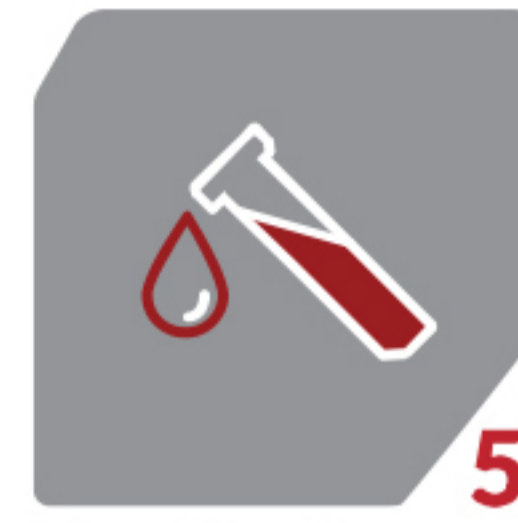


Size Range:	4 - 13
STC:	Yes
Accreditation:	EN/ISO 20345
Colour:	Brown
Heat Resistance:	Up to 300° Celsius
Non Conductive Sole:	Yes
Sole:	PU/Rubber
Upper:	Full Grain Leather




**1**  
**Dissolves**

**2**  
**Poor**  
 More than 30% change

**3**  
**Fair**  
 16 - 30% change

**4**  
**Good**  
 4 - 15% change

**5**  
**Excellent**  
 0.3% change

## Chemicals

Acetic Acid 3 n	3
Acetone	2
Aluminium Chloride 10% Sol.	4
Ammonia 3 n	5
Ammonium Chloride 10% Sol.	5
Aniline	2
ASTM-Fuel A	2
ASTM-Fuel B	4
ASTM-Fuel C	3
ASTM-Oil 1	5
ASTM-Oil 2	5
ASTM-Oil 3	5
Benzene	2
Benzyl Alcohol	1
Bleach	5
Brake Fluid ATE	5
Brake Fluid ATS	5
Butane	4
Butyl Acetate	2
Butyl Alcohol	3
Calcium Chloride 10% & 40% Sol.	5
Carbon Disulphide	3
Carbon Tetrachloride	2
Caustic Soda Sol. 10%	5
Chlorobenzene	2
Chloroform	2
Chromic Acid 3 n	2
Citronic Acid 3 n	4
Cyclohexane	4
Cyclohexanon	2
Decalin	3

Diesel Oil	5
Dimethyl Acetamide	1
Dimethyl Formamide	1
Distilled Water	5
Ethanol	3
Ether	3
Ethyl Acetate	2
Ethylene Chloride	4
Ferric Chloride 10% Sol.	4
Formic Acid 3 n	2
Freon 12	3
Freon 22	3
Gear Box Oil SAE 90	5
Glycerine	5
Glycol	5
Hydrochloric Acid 3 n	5
Hydrogen Peroxide 3%	5
Iso-Octane Fuel 1	5
Iso-Octane 70%: 30% Toluene = Fuel 2	3
Iso-Octane 50%: 50% Toluene = Fuel 3	2
Iso-Propanol	4
Kerosine	5
Lactic Acid 3 n	1
<b>Lubricating Grease:</b>	
Calcium based	5
Lithium based	5
Sodium based	5
Magnesium Chloride 10% & 30% Sol.	5
Methane	4
Methanol	2
Methane Acetate	2
Methyl Ethyl Ketone 2	2

Methyl Glycol	2
Methyl Glycol Acetate	2
Methylene Chloride	2
Mineral Oil	5
Nitric Acid 3 n	1
N-Methyl Pyrrolidone	1
Ozone	5
Paraffin Oil	5
Perchlorethylene	2
Petroleum	5
Petroleum Ether	5
Phosphoric Acid 3 n	5
Potassium Chloride 10% & 40% Sol.	5
Potassium Dichromate 10% Sol.	5
Potassium Hydroxide 3 n	5
Potassium Nitrate	4
Potassium Permanganate 5% Sol.	2
Propane	4
Pyridine	1
Sea Water (Technical)	3
Sodium Bisulphate 10% Sol.	4
Sodium Chloride 10% Sol.	5
Sodium Hypochlorite Sol. PH 13.3	3
Sodium Sulphite	4
Sulphuric Acid 3 n	1
Terpentine (Pine Oil)	4
Tetrachlorethylene	2
Tetrahydrofuran	2
Toluene	2
Trichloroethylene	2
Xylene	2

If you are exposed to any of the acids, oils or chemicals that rate 1, 2 or 3 on the table above, we recommend our Vulcanised / PU Rubber Sole Range.

The above table should be used as a general guide only. Performance in the actual working environment will depend upon the following: temperature of chemicals, concentrations of chemicals and duration of exposure.



# HLATINI

## General

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# WE SUPPLY QUALITY PRODUCTS



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Affordable safety you can trust

