FRAMS

Affordable safety you can trust

2019
VOLUME 1

CONTENTS

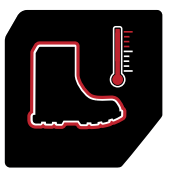
ABOUT US

We are **Frams**, one of South Africa's original safety footwear brands. We manufacture consistent, economical and reliable safety footwear. Forming part of **BBF Safety Group** (Pty) Ltd. everything at **Frams** is centered around our customers. We are mindful of the needs and challenges faced by our customers in Africa and to us, value extends beyond price alone.

By adopting a flexible approach and building strong relationships, we strive to always provide the value required by our customers. Our range of safety footwear is designed for local and international use. Our factories are ISO 9001 certified and all our products are either SANS/ISO 20345 or EN 20345 compliant.


Steel Toe Cap


Antistatic


High Heat


Genuine Leather

Accreditation Body

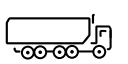
International Organization for Standardisation


Accreditation Body

PU - Polyurethane


General


Mining


Transport


Agriculture


Construction

*The above industry recommendation should be used as a general guide only.

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

PU DUAL DENSITY RANGE

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 densi ty 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 Improve
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:	(4911) and Brown/Black
Sole:	Frams Level 2 PU Dual Density Sole for Improve
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
Heat Resistance: Up to 95º Celsius
Upper: Genuine Leather - Apollo Print
Tongue: Padded Bellows Tongue
Accreditation: SANS/ISO 20345

Steel toe cap · Antistatic · Genuine Leather · SABS Approved Accreditation · ISO Accreditation

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
Heat Resistance: Up to 95º Celsius
Upper: Genuine Leather - Apollo Print
Tongue: Bellows Tongue Padded
Accreditation: SANS/ISO 20345

Steel toe cap · Antistatic · Genuine Leather · SABS Approved Accreditation · ISO Accreditation

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

FRAMS

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 Re
Heat Resistance: Up to 95º 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 Re
Heat Resistance: Up to 95º Celsius
Upper: Full Grain Leather- Smooth
Tongue: Padded Bellows Tongue
Accreditation: EN/ISO 20345

Oil & Acid Resistance: Refer to table on page 12

INYATI

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
4251

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
4250

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
4005

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
4006

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
4003

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
4003

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

Chemical Resistance Table:

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
Lubricating Grease:	
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
Para翻 n Oil	5
Perchloroethylene	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
Tetrachloroethylene	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.

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