



Affordable safety you can trust

2019

VOLUME 1



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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

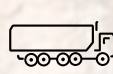
PU - Polyurethane



General



Mining



Transport



Agriculture



Construction



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
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
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.



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