



WING SAFETY

WING SAFETY MANUFACTURERS

TECHNICAL SPECIFICATIONS

D59 100% COTTON
FLAME AND ACID (CHEMICAL RESISTANT)
SASOL NAVY

Reg No: 2011/023822/23

VAT No: 445 027 3745

QSE B-BBEE Level One

SABS SANS 434:2018 APPROVED. PERMIT No:11247/17634

435 Strauss Crescent, Factory 8
Wadeville , Germiston

Production facility based in Durban, KZN.

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WING SAFETY



SABS SANS 434
Permit No: 11247/17634

D59 100% COTTON FLAME AND ACID (CHEMICAL RESISTANT) SASOL NAVY



- Construction – SABS SANS 434
- Fabric – D 59 100% Cotton – SABS SANS 1387 Approved
- Fabric – Flame Retardant - SABS SANS 1423-1 Approved
- Fabric – Chemical Resistant – ISO 6530 Approved
- Zipper – YKK Brass 85% Cu & 15% Alloy – SANS SABS 1822 Approved
- Reflective Tape – 50 mm Flame Retardant – SANS SABS 50471 Class 2 Approved
- Sewing Thread – Ticket 80 Sewing Thread – SANS SABS 1362 Approved
- Sewing Stitch Count – SANS SABS 5278 Approved
- Elastic – SANS SABS 142 Approved
- Construction – All Seams fully Triple Stitched and Bar Tacked



ISO 6530



EN ISO 11611

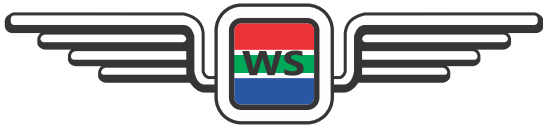


EN ISO 11612



EN ISO 14116

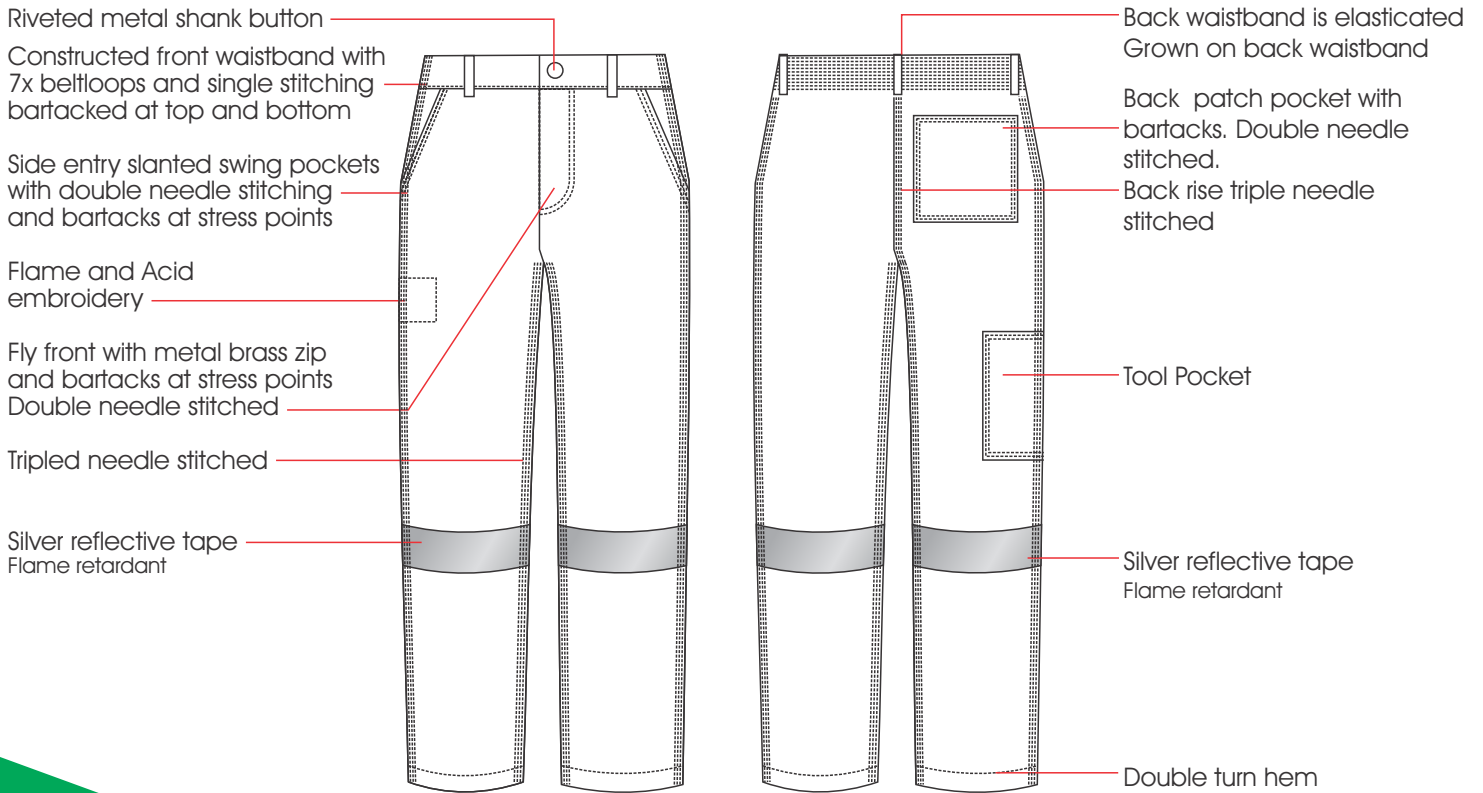
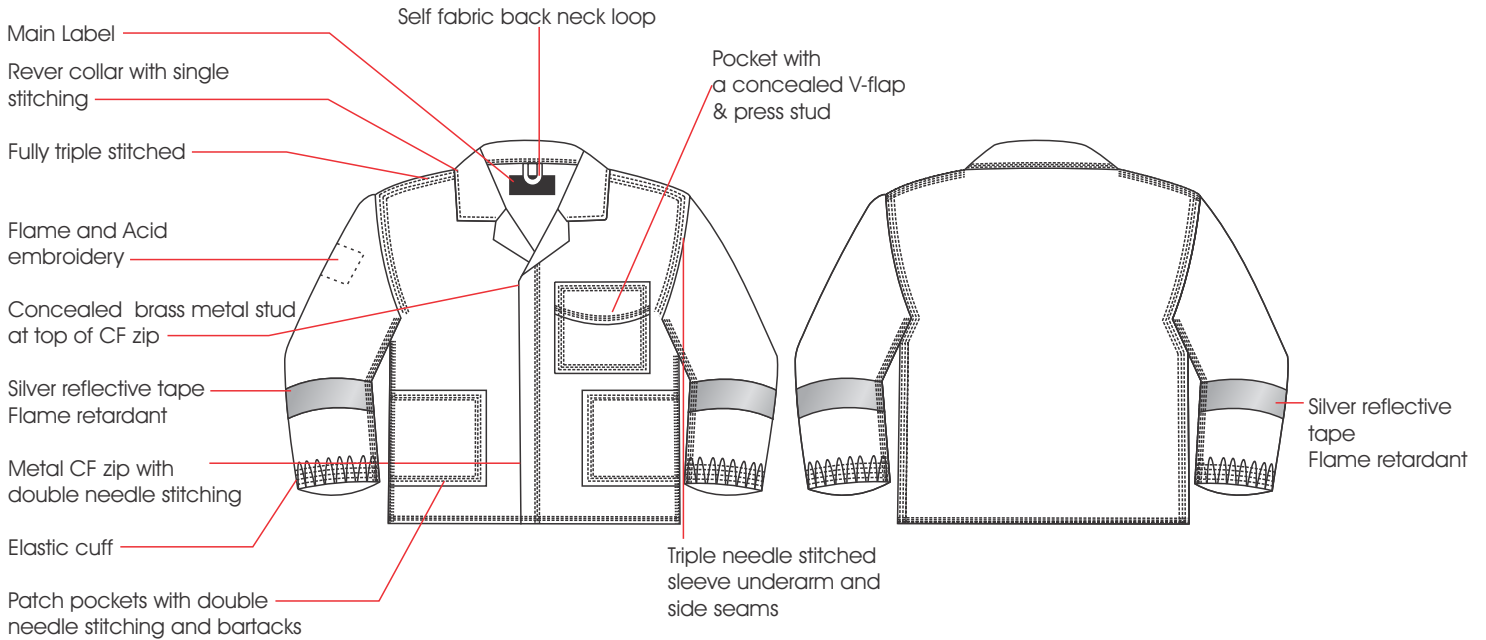




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**Full triple needle stitched
all stress points bar tacked**



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WARNING



This garment is made from D59 100% Cotton that complies with SANS 1387

It has LOW FLAMMABILITY finish that complies with SANS 1423-1 Class C Category 3

REPELLENT TO LIQUID CHEMICALS when tested in accordance to ISO 6530 using the following liquid chemicals independently (% by mass)

- 65% HNO₃- Nitric Acid
- 32% HCl –Hydrochloric acid
- 24% H₂SO₄ – Sulphuric Acid
- 40% NaOH – Sodium Hydroxide



Standard - Penetration index: 3% , Absorption index : 7% & Repellence index : 90%

The low flammability and acid repellent finish withstands a maximum wash temperature: 60°C

Typical test result on ISO 6530:2005

Pre conditioning: 24 hrs at 20°C & 65% rH
 Liquid boiling point: 98°C (water component)
 Test temperature: 20°C ± 2
 Flow rate: 1ml per second

Test Liquids: **32% Hydrochloric Acid**
 Penetration index : <3% 0.50%
 Absorption index: <7% 2.20%
 Repellency Index: >90% 97.30%

Test Liquids: **65% Nitric Acid**
 Penetration index : <3% 0.10%
 Absorption index: <7% 1.10%
 Repellency Index: >90% 98.80%

Test Liquids: **25% Sulphuric**
 Penetration index : <3% 0.10%
 Absorption index: <7% 1.50%
 Repellency Index: >90% 98.40%

Test Liquids: **40% Soduim hydroxide**
 Penetration index : <3% 0.00%
 Absorption index: <7% 0.50%
 Repellency Index: >90% 99.50%

Workwear care instructions available on request