



SWETWISE

(PTY) LTD

FIRE PROTECTIVE CLOTHING & EQUIPMENT

TRADING AS LYMAE BOTSWANA

STRUCTURAL FIRE PPE · NFPA 1971, 2018 EDITION

Structural Fire Fighting Suit

A two-piece bunker suit, tunic and trousers, built from a certified three-layer composite. Tailored sizing, replaceable panels and your crest embroidered in-house.



COLOURS

☒ Gold ☐ Dark Navy

SIZES

XS – 4XL + made-to-fit

COMPOSITE TPP

≥ 40 cal/cm²



THE ENSEMBLE

One suit, three protective layers

The complete suit complies fully with NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting (2018 edition). Each garment is a composite of outer shell, moisture barrier and thermal barrier with lining. The moisture and thermal barriers form a detachable inner shell, and tunic and trousers overlap by at least 250 mm.

≥ 40cal/cm² TPP on the full composite**≥ 1300 °F**

outer shell decomposition (≈ 704 °C)

≥ 200 N

seam strength, 5-strand overlock

8 + 1

sizes XS-4XL plus made-to-fit special

01

Outer shell

203 g/m² comfort twill weave, 70% spun yarns and 30% para-aramid filament yarns. Single-layer construction in gold or dark navy, sewn only with matching yarns rated to 360 °C and SABS/NFPA approved.

NFPA 1971 TESTED

Seam strength
High visibility
Hardware
Label legibility

02

Moisture barrier

Nomex IIIA woven substrate laminated to a breathable membrane. Keeps water, fire-ground chemicals and blood-borne pathogens out while letting body heat escape.

NFPA 1971 APPROVED

Flame and heat resistance
Water and liquid resistance
Viral (bacteriophage) resistance
Strength · chemical penetration

03

Thermal barrier & lining

50% aramid / 50% FR viscose face cloth quilted to two layers of needle-punched batting (80% aramid, 20% meta-aramid). Total weight 7.8 oz/yd² (≈ 264 g/m²).

NFPA 1971 APPROVED

Flame and heat resistance
Thermal resistance
Cleaning shrinkage
Strength and tear resistance



Certified, layer by layer. Current UL certificates of compliance to NFPA 1971 (2018), issued by an accredited test house, are supplied for the outer shell, moisture barrier and thermal barrier with every quotation and tender.



CONSTRUCTION

The protective tunic

Shown in Dark Navy · front and back
Swetwise shield on the left sleeve



- **Double front closure:** 50 mm Velcro over a heavy-duty NFPA-compliant zip
- **Elbow pads:** polymer-coated Kevlar over a heat-resistant layer, double-stitched
- **Liner attachment:** heavy-duty zip and Velcro, with snaps at the arms
- **Pockets:** two pleated waterproof side pockets (220 × 180 mm, 75 mm flap), plus two inner pockets
- **Collar and storm flap:** double layer, quilted thermal core, Nomex knit at the chin for a dry seal
- **Seamless shoulders** and articulated sleeves for full arm movement
- **Reinforced cuffs;** inner wristlets with thumb loops to NFPA 1971
- **Two inverted back pleats;** bunny-style front, longer tail at the back
- **Radio pocket** on the left chest with antenna slot, clear of BA shoulder straps
- **DRD** drag rescue device at the back (optional); all seams double-stitched



Dark Navy, front and back

The protective trousers

- Tailored fit, rising at least 150 mm above the waist
- Permanently fitted 50 mm non-elastic suspenders with anti-slip shoulder mechanism, woven reflective and thermoplastic slide adjusters; 50 mm elastic link at the back
- Full-length tapered fly flap closed with Velcro
- Polymer-coated Kevlar knee reinforcement; reinforced cuffs
- Leg ends cut wide to pass over bunker boots, elastic at the inner-shell hem



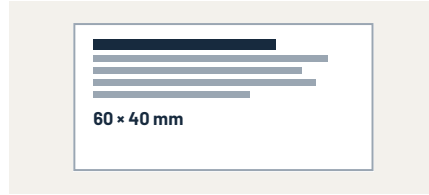
FINISH & IDENTITY

Seen, labelled and yours



Reflective trim

Certified retro-reflective fluorescent trim, lime-yellow with a silver centre stripe, 50 mm or 76.2 mm wide. Double-stitched and positioned exactly as NFPA 1971 (2018) specifies.



Garment marking

White printed label sewn inside the back of each tunic and trouser: manufacturer, material composition, NFPA 1971-2018 compliance, year of manufacture, washing instructions, size and destination.



Insignia & branding

Optional client crest on the front and back, plus badges, ranks and reflective lettering, all embroidered in-house. The Swetwise shield is fitted on the left sleeve.

Built to be maintained

- No metal clips or rivets anywhere on the garment
- Every layer designed so damaged panels can be replaced
- Repairs undertaken by the manufacturer at material cost

Tender-ready documentation

- Current UL certificates to NFPA 1971 (2018) for shell, moisture barrier and thermal barrier
- Accredited manufacturing capability report, not older than 12 months, for the items quoted



Request a quotation

Councils, parastatals, forces and industrial emergency teams across Botswana

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