

SAFETY DATA SHEET AND USER MANUAL

High-Visibility Men's Softshell Jackets Series: SOFTREF

1. Product and Company Identification

This document serves as an HSE (Health, Safety, and Environment) data sheet and functional user guide for professional high-visibility protective garments distributed by BAM24.PL.

1.1 Product Range and Model Identifiers

Product Code (SKU)	Garment Size	Product Description
KMZ093	Size M	Men's High-Visibility Softshell Jacket SOFTREF (Yellow)
KMZ094	Size L	Men's High-Visibility Softshell Jacket SOFTREF (Yellow)
KMZ095	Size XL	Men's High-Visibility Softshell Jacket SOFTREF (Yellow)
KMZ096	Size XXL	Men's High-Visibility Softshell Jacket SOFTREF (Yellow)
KMZ097	Size 3XL	Men's High-Visibility Softshell Jacket SOFTREF (Yellow)

1.2 Distributor / Supplier Details

Entity Name: B.A.M. Andrzej Borowicz

Registered Office: ul: Leśna 38, 86-031 Osielsko, Poland

Official Web Platform: www.bam24.pl

Application: Professional high-visibility warning clothing intended for low-light conditions, roadwork, logistics, construction, and industrial workplace safety.

2. Material Composition and Technical Specs

The SOFTREF jacket series relies on an advanced triple-layer laminate technical textile engineered to deliver weather-tightness, breathability, and occupational conspicuousness:

- **Outer Shell Layer:** 94% polyester + 6% spandex with a TPU coating, weight 320 g/m² ± 10 g/m², provides excellent protection against wind and rain (3,000 mm water column)
- **Middle Membrane:** Thermoplastic Polyurethane (TPU) breathable layer. Prevents liquid water penetration while facilitating cellular water vapor transmission.
- **Reflective Elements:** Heat-transferred segmented retroreflective silver bands wrapped around the torso, shoulders, and sleeves. Engineered to reflect incident vehicle headlamps.

3. Hazard Identification and Operational Limitations

While non-hazardous under normal working conditions, occupational safety personnel must account for the following design limits:

- **Thermal and Flammability Risk:** Polyester material will melt or ignite when brought into proximity with open flames, heavy grinding sparks, welding arcs, or high-temperature surfaces. Do not use for hot work.
- **Mechanical Trapping Hazard:** Lower edge drawstrings, loose hood cords, and unfastened cuff tabs present a potential mechanical entanglement risk near active machine shafts, drills, or rotating factory equipment.
- **Chemical Vulnerability:** Chemical exposure (concentrated petroleum solvents, aromatic hydrocarbons, strong alkalis) will compromise the TPU backing membrane and erode the fluorescent finish.

4. Operational Handling, Fitting, and Pre-Use Check

- **Pre-Shift Visual Inspection:** Conduct visual validation before every shift. Inspect for heavy oil staining, structural seam tears, delamination of reflective tape, or broken zipper mechanisms.
- **Correct Fastening Protocol:** To maintain full 360-degree occupational visibility, the main front zipper must be fully closed. Open jackets significantly degrade visibility profiles.
- **Ergonomic Adjustment:** Adjust the hook-and-loop cuff fasteners and bottom elastic drawstrings to fit snugly against the body to minimize thermal losses and prevent loose snags.

5. Maintenance, Laundry, and Care Guidelines

Improper laundering drastically accelerates the lifecycle degradation of protective apparel. Adhere to the following protocol:

- **Washing Temperature:** Wash inside-out at a maximum temperature of 30°C using standard mild liquid synthetic detergents.
- **Fabric Softeners / Conditioners:** Strictly prohibited. Fabric conditioners coat the open pores of the TPU membrane, permanently destroying the technical breathability of the garment.
- **Bleaching and Chemicals:** Do not use chlorine-based bleaching agents or aggressive oxidizers. These chemicals degrade the fluorescent yellow dye and destroy the reflective silver layer.
- **Drying and Ironing:** Do not tumble dry, spin dry aggressively, or iron the garment. High heat will distort the segmented heat-transfer reflective bands and warp the interior membrane.

6. Storage, Lifespan, and Disposal

- **Environmental Storage Setup:** Store clean, dry garments in a well-ventilated space away from direct, continuous solar radiation. Prolonged UV exposure leads to progressive color fading.
- **End-of-Service Evaluation:** The practical lifetime depends on actual wear intensity, mechanical abrasion, and soil exposure. Retain garment only as long as the color remains highly vivid and reflective bands show no severe cracking.
- **Eco-Conscious Disposal:** Dispose of or recycle industrial textiles in complete compliance with regional environmental statutes and municipal synthetic waste guidelines.