

SAFETY DATA SHEET & OCCUPATIONAL HEALTH & SAFETY MANUAL

Product Series: High-Visibility SOFTSHELL Jackets KMZ115 - KMZ119

1. PRODUCT AND COMPANY IDENTIFICATION

This document serves as an editable technical safety data sheet and occupational handling guide for professional high-visibility protective garments distributed by BAM24.PL.

Technical Parameter / Code	Product Information & Specifications
Product Category	Professional High-Visibility Protective Softshell Jacket
Model / Size Mapping	KMZ115 (Size M), KMZ116 (Size L), KMZ117 (Size XL), KMZ118 (Size XXL), KMZ119 (Size 3XL)
Primary Application	Road works, construction, logistics, and industrial sectors requiring high user visibility.
Official Distributor	B.A.M. Andrzej Borowicz
Registered Address	Leśna 38, 86-031 Osielsko, Poland
Online Store & Support	Official Platform: www.bam24.pl

2. MATERIAL COMPOSITION AND TECHNICAL SPECIFICATIONS

A softshell jacket with an exceptionally attractive design, made of: 94% polyester + 6% spandex with a TPU coating, weight $320 \text{ g/m}^2 \pm 10 \text{ g/m}^2$, providing excellent protection against rain (3,000 mm water column) and wind.

Reflective stripes and panels on the sleeves and shoulders; zippered closure with a windproof flap on the inside; features 3 exterior pockets—2 large side pockets and 1 chest pocket (so-called “Napoleon” pocket), all with zippers; a detachable, adjustable hood and a stand-up collar; the stand-up collar is lined with soft fabric on the inside; the bottom of the jacket is adjustable with an elastic cord and stoppers—allowing for a precise fit to the body; sleeves are adjustable with Velcro.

Reflective elements: Segmented, elastic warning stripes applied using a thermal transfer method. The segmented design does not restrict the fabric’s stretch and significantly improves freedom of movement.

3. HAZARD IDENTIFICATION AND OPERATIONAL LIMITATIONS

While the garment is designed for general hazardous industrial environments, users must adhere to the following limitations:

- **Thermal / Flammability Hazard:** The material consists primarily of synthetic fibers. It is NOT flame-resistant. Do not use for welding, oxy-fuel cutting, or grinding operations where hot sparks occur. Melting polyester can cause severe thermal skin burns.
- **Mechanical Risks:** The jacket features adjustable elastic drawstrings and toggles. Ensure all cords are fully tucked inside to eliminate entanglement risks around rotating machinery parts.
- **Chemical Vulnerability:** Avoid exposure to strong industrial solvents, acids, and high concentrations of petroleum lubricants, which permanently dissolve the TPU membrane and degrade the retroreflective backing.

4. OPERATIONAL HANDLING, FITTING, AND PRE-USE CHECK

- **Pre-Shift Inspection:** Examine seams, zipper performance, and the cleanliness of reflective bands. Oil stains, heavy soot, or mud significantly decrease the fluorescence and diminish the 360-degree high-visibility safety performance.
- **Correct Fitting:** The main front zipper must be fully closed during active duties. Leaving the jacket unzipped breaks the geometric continuity of the reflective stripes, reducing high-visibility protection class parameters.
- **Ergonomic Adjustments:** Utilize the integrated hook-and-loop cuff fasteners and bottom hem toggles to prevent wind ingress and ensure a secured, snug fit that limits snags.

5. MAINTENANCE, LAUNDRY, AND CARE GUIDELINES

Incorrect laundering destroys the tech properties of the garment. Follow these mandatory procedures strictly:

- **Washing Temperature:** Machine wash at a maximum of 30°C using a delicate synthetic or outdoor tech textile cycle with mild liquid detergents.
- **Chemical Restrictions:** NEVER use fabric softeners, conditioners, or chlorine bleach. Softeners permanently coat and plug the micro-pores of the breathable TPU membrane, ruining its functional breathability.
- **Drying and Ironing:** Air dry naturally on a hanger. Strictly prohibited: tumble drying, mechanical wringing, and ironing. Excessive heat causes delamination of the reflective bands and melting of the internal membrane.

6. STORAGE, LIFESPAN, AND DISPOSAL

- **UV Exposure and Storage:** Store garments in a dark, dry, well-ventilated space. Avoid continuous exposure to direct sunlight when not in use, as intense ultraviolet radiation accelerates the fading of fluorescent high-vis pigment.
- **Service Lifespan Assessment:** Discard and replace the jacket immediately if the retroreflective bands become abraded, cracked, or if the main fabric suffers unrepairable tearing or permanent soot saturation.
- **Eco-Friendly Disposal:** This product is manufactured from mixed synthetic materials. Do not dispose of via organic waste. Follow municipal regulations for industrial non-hazardous textile recycling polymers.