

GENERAL BREAKDOWN OF INDUSTRIES AND APPLICATIONS BY LEVEL

SUMMARY OF GUIDELINES BY RISK LEVEL

Visibility Level	Risk Level	Garment Characteristics	Typical Applications
LEVEL 1	Low-risk	Basic visibility, limited reflective/fluorescent materials	Warehousing, grounds maintenance, retail, and service industries
LEVEL 2	Medium-risk	Moderate visibility, more reflective/fluorescent materials	Construction, logistics, transport, short-range deliveries
LEVEL 3	High-risk	High visibility, extensive reflective/fluorescent materials	Roadwork, emergency services, mining, airport ground crew, high-traffic zones

INDUSTRY-SPECIFIC GUIDELINES FOR PROTECTION LEVELS

Level 1 (Low-Risk Environments)

Level 1 garments offer a basic level of visibility and are suitable for environments with minimal risk of accidents.

Industries/Applications:

Warehousing:

Large storage facilities with limited vehicle or machinery movement.

Grounds Maintenance:

Gardening, grass cutting, or simple outdoor maintenance in low-traffic areas.

Retail or Service:

Environments where workers need to be visible, but the risk from heavy machinery or high-speed traffic is low.

Garment Characteristics:

Minimal reflective and fluorescent materials, providing visibility from a distance of up to 100m.

Level 2 (Medium-Risk Environments)

Level 2 garments are designed for environments where workers face moderate risks from moving vehicles or machinery.

Industries/Applications:

Construction:

Low-traffic sites, such as urban or rural areas with moderate vehicle/machinery presence.

Logistics & Distribution:

Workers handling truck unloading or movement in areas with moderate-speed vehicles.

Transport & Delivery:

Short-range deliveries or transport work in low-hazard locations (e.g., parking lots, low-traffic roadways).

Garment Characteristics:

Greater visibility than Level 1, with more reflective/fluorescent materials, offering visibility up to 150m.

Level 3 (High-Risk Environments)

Level 3 garments provide the highest level of visibility and are intended for high-risk workplaces such as construction sites with heavy machinery or high-speed roadways.

Industries/Applications:

Roadwork & Traffic Management:

Workers in road maintenance or highway construction.

Emergency Services & Public Safety:

Police, fire, ambulance, and emergency responders need maximum visibility.

Mining & Heavy Industry:

High-risk sites with large equipment and fast-moving vehicles.

Airport Ground Crew:

Workers operating near runways and high-traffic zones.

Garment Characteristics:

Extensive reflective and fluorescent materials for maximum visibility at 200m or more distances.

Bisley WORKWEAR



AS 4602.1:2024

High visibility safety garments

Part 1: Garments for high risk application

AS 4602.1:2024 provides the conspicuity requirements for high-visibility safety garments for occupational wear by people, who may be exposed to the hazard of moving traffic, plant, or equipment in high-risk situations.

CLASSIFICATION OF GARMENT LEVELS

Principal changes have occurred to the high-visibility garment classification AS 4602.1:2024 with the addition of levels. Classes such as Day and Night Use and Night Use have expanded into ensemble classes and introduce classification levels. The new levels will help select appropriate high-visibility garments required for high-risk applications.

TABLE 1 - TORSO CLASSIFICATION

CLASS	LEVEL	GARMENT DESCRIPTION	ICON	IMAGE
CLASS D Day time Use Only		Vest, shirts and coveralls (torso only), and outer wear made using Hi Vis material.		
CLASS N Night-time Use Only NON-HI VIS COLOUR PERMITTED	LEVEL 1	Vest, shirts, coveralls (torso only), and outer wear (Non Hi Vis) that incorporate reflective tape in the provided tape configurations. Level 1 - One hoop of reflective tape on each arm. No tape over the shoulder configuration.		
	LEVEL 2	Shirts, coveralls (torso only), and outer wear (Non Hi Vis) that incorporate reflective tape in the provided tape configurations. Level 2 - One hoop of reflective tape on each arm with the addition of over the shoulder configuration. <i>One row of tape on both arms, A. above elbow or B. below elbow</i>		
	LEVEL 3	Shirts, coveralls (torso only), and outer wear (Non Hi Vis) meeting the design requirements of Class N Level 2, with the addition of extra hoop of reflective tape on arms - two hoops on each arm in a biomotion design.		

TABLE 2 - ENSEMBLE CLASSIFICATION / COVERALL & TROUSER / ENSEMBLE GARMENTS

CLASS	LEVEL	GARMENT DESCRIPTION	ICON	IMAGE
CLASS N-E Night-time Use Ensemble NON-HI VIS COLOUR PERMITTED	LEVEL 2 Non Hi Vis with One Hoop Tape	Coverall (below waist) and trousers made using contrast material, with one hoop of reflective tape on each leg positioned above or below the knee reference point. Coverall upper shall meet the requirements of Class N Level 2. Trousers shall be worn with a Class N Level 2 torso garment to complete the ensemble. <i>One row of tape on both arms and legs A. above elbow/knee or B. below elbow/knee</i>		
	LEVEL 3 Non Hi Vis with Biomotion Configuration	Coverall (below waist) and trousers made using contrast material, with two hoops of Reflective tape on each leg positioned above and below the knee reference point. Coverall upper shall meet the requirements of Class N Level 3. Trousers shall be worn with a Class N Level 3 torso garment to complete the ensemble.		

TABLE 1 - TORSO CLASSIFICATION

CLASS	LEVEL	GARMENT DESCRIPTION	ICON	IMAGE
CLASS D/N Day or Night Use HI VIS COLOUR REQUIRED	LEVEL 1	Vest, shirts and coveralls (torso only), and outer wear made using Hi Vis material and the addition of reflective tape Level 1 - Hi Vis Colour. One hoop of reflective tape on each arm. No tape over the shoulder configuration.		
	LEVEL 2	Shirts, coveralls (torso only), and outer wear made using Hi Vis material with approved Reflective Tape configuration. Garment must have the addition of one reflective hoop tape on each arm. Level 2 - One hoop of reflective tape on each arm. Tape over the shoulder configuration. <i>One row of tape on both arms, A. above elbow or B. below elbow</i>		
	LEVEL 3	Shirts, coveralls (torso only), and outer wear (made using Hi Vis material meeting the design requirements of Class N Level 2, with the addition of extra hoop of reflective tape on arms - two hoops on each arm in a biomotion design.		

TABLE 2 - ENSEMBLE CLASSIFICATION / COVERALL & TROUSER / ENSEMBLE GARMENTS

CLASS	LEVEL	GARMENT DESCRIPTION	ICON	IMAGE
CLASS D/N-E Day or Night Use Ensemble HI VIS COLOUR REQUIRED	LEVEL 2 Hi Vis with One Hoop Tape	Coverall (below waist) and trousers made using Hi Vis material, with one hoop of reflective tape on each leg positioned above or below the knee reference point. Coverall upper shall meet the requirements of Class D/N Level 2. Trousers shall be worn with a Class D/N Level 2 torso garment to complete the ensemble. <i>One row of tape on both arms and legs A. above elbow/knee or B. below elbow/knee</i>		
	LEVEL 3 Hi Vis with Biomotion Configuration	Coverall (below waist) and trousers made using Hi Vis material with two hoops of Reflective tape on each leg positioned above and below the knee reference point. Coverall upper shall meet the requirements of Class D/N-E Level 3. Trousers shall be worn with a Class D/N Level 3 torso garment to complete the ensemble.		