

UPDATE TO AS NZS 1906.4

Background

This is an update on the materials used on high visibility garments

The Standard for High-Visibility Safety Garments

AS/NZS 1906.4 is the joint Australian and New Zealand standard covering the materials used in high visibility safety garments. This standard is also referred to in AS 4602.1:2011 (formerly AS/NZS) which relates to product design. AS 4602.1 is currently under review.

AS NZS 1906.4 has recently been updated. The new version's date is 2023

Application of the Standard

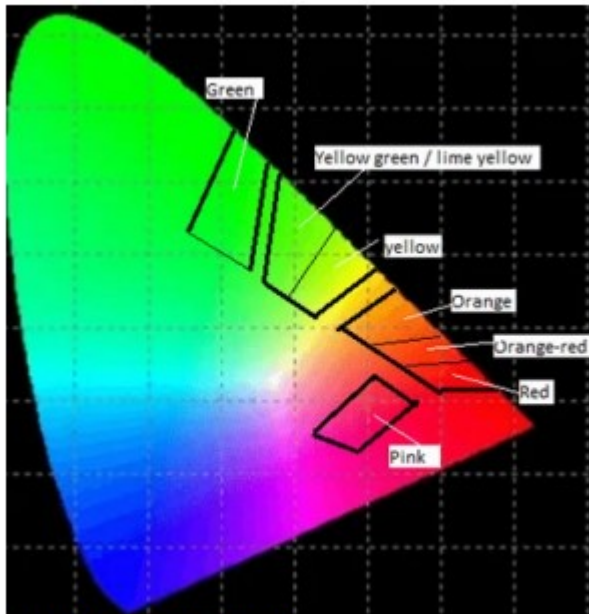
There are two specifications relating to materials:

- the **background** material used in Day and Day/Night garments;
- the **retroreflective tape** used in the Day/Night and Night garments.

The new standard has some changes.

1. There are 2 new colours for the background material, pink and green.
2. There are 2 new classifications:
 - Class NF (W), non-fluoro material that has passed the wet requirements
 - Class SP separate performance retroreflective material where one part meets Class R and the other Class F.
3. There is an optional extended wash test for background material – used when a manufacturer makes a claim for washing durability in Class F or NF materials (cl 2.7)
4. There is an addition of a specification for the testing of chequered pattern heat applied retroreflective tape (cl 3.3). Testing is done so that equal areas of each colour are tested.
5. There is now an optional extended wash testing specification to the manufacturer's claim for retroreflective material (cl 3.9). Otherwise 5 wash/dry cycles are used (cl 3.5.3)

In addition, the yellow colour space still has the same divisions. But what was formerly called restricted yellow is now called yellow green/ lime green



CIE 1931 colour space

Advice on High-Visibility Safety Garment Testing

The variety of tests conducted within AS/NZS 1906.4:2023, together with the design standard for such garments (AS 4602.1:2011), ensures a complete performance analysis of high-visibility garments.

NZWTA Ltd has a comprehensive understanding of the standards involved in high-visibility garment testing and can provide a report on the conformance to these standards.

If you are involved with manufacturing, importing or using high-visibility garments and want to ensure the garments are compliant with current standards, contact NZWTA on:



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