

# EN340

## Protective clothing: General requirements

**Reference Number:** EN 340

**Status:** European standard - This standard is a reference standard to refer to in other standards. This standard can not be applied alone but only in association with a specific product standard.

**Scope:** This standard specifies the general requirements: ergonomic requirements, sizing, ageing, marking, information for the user for protective clothing

### Requirement

#### Ergonomics

- The materials and components: shall not have adverse effects on the wearer;
- Offer the wearer the best possible degree of comfort, consonant with the provision of adequate protection;
- Parts in contact with the user: free of roughness, sharp edges and projections;
- Design: facilitate its correct positioning on the user and ensure that it remains in place during use;
- As light as possible without prejudice to the design strength and efficiency.

#### Ageing

The detrimental effects of colour alteration, cleaning and dimensional change to the levels of performance.

## Sizing

The size designation of each garment is defined by two control measurements.

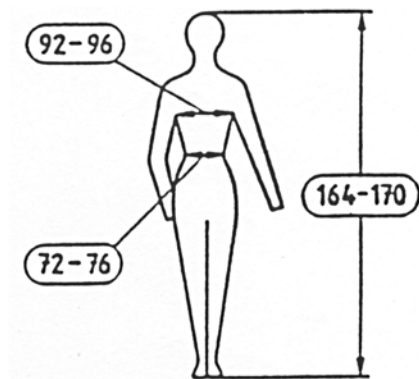
Body height, chest circumference and waist circumference shall be according to Table 1:

*Table 1*

<b>Height intervals</b>	<b>Chest girth</b>	<b>Waist girth</b>
152-158	76-80	56-60
158-164	80-84	60-64
164-170	84-88	64-68
170-176	88-92	68-72
176-182	92-96	72-76
182-188	96-100	76-80
188-194	100-104	80-84
	104-108	84-88
	108-112	88-92
	112-116	92-96
	116-120	96-100
	120-124	100-104
		108-112
		112-116

## Size designation

A pictogram is used



- The indications on the pictogram relate to body dimensions not to dimensions of the clothing; they mean that the garment can be used by a person with the body dimensions given on the label
- Information to be given:
  - For jackets: body height and chest circumference
  - For trousers: body height and waist circumference
- Intervals are normally 4 cm for circumferences and 6 cm for body height; intervals can be combined

## Marking

- On a clearly visible and legible label resisting to the foreseeable number of cleaning cycles
- Contents:
  - The CE marking (as appropriate for PPE category II or III)
  - Cleaning and maintenance symbols
  - Name or logo of the manufacturer
  - Type of the garment (manufacturer's reference)
  - Size designation (pictogram)
  - Reference to the specific standard
  - The specific pictogram(s)"

## **Information for the user**

- To be provided by the manufacturer in at least the official language(s) of the country of use; precise and understandable for the user
- Contents:
  - Name and address of manufacturer or his authorized representative
  - Name and reference of the product
  - Reference to the relevant product standard
  - Explanation of pictograms and of the performance levels obtained
  - Instructions for use, e.g. safety checks before use, specific area of use and limitations of use (time of wear in specific conditions), storage and maintenance instructions, instructions for cleaning and disinfection, etc.
  - Packaging instructions for transport