This standard encompasses materials and stitching and is divided into two sections: water penetration and resistance to water vapour.

For water penetration there are three classes, where Class 2 requires Wp (water pressure) ≥ 8000 Pa and Class 3 requires Wp ≥ 13000 Pa. Class 1 requires the same as Class 2, but without pre-treatment.

For resistance to water vapour (RET), (the lower the rating the greater the penetration) there are 3 classes:

- **Class 1**: RET ≥ 40,
- **Class 2**: 20 < RET ≤ 40,
- **Class 3**: RET ≤ 20

---

### Protective Clothing Labels

General requirements:
- Manufacturers mark
- Product identifying mark
- Size or size range
- Specific hazard protection plus performance levels
- Care labelling.

---

**High-visibility PPE and Retro-reflective band classes**

PPE categories

**There are 3 PPE categories:**

- **Category I**: PPE to protect against minimum risks.
- **Category II**: PPE to protect against medium to high grade risks, although not mortal or irreversible.
- **Category III**: PPE to protect against life-threatening or irreversible risks.

**There are 3 classes of high-visibility PPE:**

- **Class 1**: Low visibility level fluorescent 0.14m², retro-reflective 0.10m² or combined 0.20m².
- **Class 2**: Medium visibility level fluorescent 0.50m² and retro-reflective 0.13m².
- **Class 3**: High visibility level fluorescent 0.80m² and retro-reflective 0.20m².

**There are 2 classes of retro-reflective bands:**

- **Class 1**: Medium retro-reflective level
- **Class 2**: High retro-reflective level