



i Head Protection – EN Standards

All head protection for use in the UK as PPE must be approved, tested and marked with the relevant standard as detailed below:

EN397 Helmets for general use in industry to provide protection to the wearer against falling objects and consequential brain injury and/or skull fracture.

EN812 Bump Caps provide protection to the wearer against the effects of striking head/scalp against hard or sharp stationary objects. Not intended to provide protection against effects of falling, thrown objects, moving or suspended loads.

Logo printing is available on all Safety Helmets. Embroidery is available for Baseball and Beanie style Bump Caps.

Please call one of our sales team on **0121 749 4433** for more information on this service from iSB.

SAFETY CHECKS

Helmets should be checked daily before wearing and discarded if any “cracks visible to the naked eye” or “deep scratches, i.e. to a depth greater than 25% of the shell thickness” appear.

LIFESPAN

The lifespan of your helmet (in-service life) varies depending on the base material, usage and storage conditions. iSB recommend a lifespan of two years to be normal. If the helmet is worn very infrequently and is stored away from direct light then up to five years may be acceptable. Excessive wear and tear will drastically reduce the expected lifespan and performance of your safety helmet.

MAINTENANCE

All components should be cleaned with soap and water. Chemicals, paints, adhesives should not be applied unless approved by the manufacturer.

Test Results		EN397 Safety Helmets	EN812 Bump Caps
Shock Absorption/ Impact Resistance	Drop Height	1 metre	0.25 metre
	Maximum force allowed	5 kiloNewtons	15 kiloNewtons
	Energy Transmitted during test	49 joules	12.5 joules
	Striker face and weight	50mm radius hemispherical, 5kg	100mm diameter flat, 5kg
Penetration Resistance	Drop height	1 metre	0.5 metre
	Energy Transmitted during test	29 joules	2.5 joules
	Striker Mass	3kg	0.5kg

Optional Tests

LD	Lateral Deformation - provides a level of protection against lateral compression, indicating improved side strength of helmet
-20°C/-30°C	Low Temperature Performance - Helmet will still provide EN397/812 protection when worn at or above this temperature
440V a.c.	Electrical Insulation* - Test indicates protection from electrical shock
MM	Molten Metal** - Test ensures that there is no penetration of molten metal splash
-40°C	Extreme Low Temperature - Extra feature outside the scope of EN397
1000V a.c.	High Voltage Protection - Extra feature outside the scope of EN397
F	Resistant to Flame - Test ensures cap does not ignite or burn after a flame is applied for a brief period of time

*440V a.c. - helmets and plastic bumps caps only (not baseball caps) **MM - helmets only