



Ultimate
Industrial

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Head protection: Standards and regulations.

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Our head protection guide.

Associated standards and certification.

PRODUCT SPOTLIGHT

OUR REF: HPV

Deluxe head protection which will fit most users (one size). Foam lined sweatband and integral rain gutter. Fully adjustable 6 point nylon web harness. Suitable for use with a range of UCI accessories. PLEASE NOTE: This product requires some user assembly before use.

EN 397:2012



EN standards - safety helmets

The traditional safety helmet is generally covered by EN397:2012 which outlines the properties of the helmet and also how it is marked. This should include such details as the manufacturer, date of manufacture, size range and the shell material. A new helmet will also contain additional information on correct usage, adjustments etc. in the form of a User Information Sheet. More specialised helmets may also carry additional markings and a summary is included below.

EN 397:2012	Industrial Safety Helmets should be marked on the shell.
EN 397:1995	Standard number, maker and model identification.
	Size or size range (cm) (on both shell and harness).
	Year and quarter (or month) of manufacture.
	Informative label with specified wording.
	Shell material, eg ABS, PC, HDPE etc.
Optional Markings	-20 C or -30 C - tested at very low temperature.
	+150 C - tested at high temperature
	440 V a.c. - tested for electrical insulation
	LD - tested for lateral deformation
	MM - resists molten metal splash
Please Note	The helmet must have attachment points for a chinstrap

EN standards - industrial bump caps

While sometimes incorrectly described as safety helmets this type of protection is very different in the levels of protection offered and conforms to a different standard, EN2012. While some styles can look similar to safety helmets, the most popular styles resemble a baseball cap. These are popular as they can be embroidered with company names and logos and are more comfortable to wear than safety helmets. Whilst popular, bump caps offer virtually NO Protection against falling objects and should not be used where there is any risk of being hit by falling items. They can be useful however, if a worker is likely to bump their head on static objects and to promote company identity.

EN 812:2012	Industrial Bump Caps should be marked.
EN 812:1998	Standard number, maker and model identification.
	Size or size range (cm) (on both shell and if fitted, harness).
	Year and quarter (or month) of manufacture.
	Informative label with specified wording.
	-20 C or -30 C - tested at very low temperature.
Optional Markings	F -resistant to flame
	440 V a.c. - tested for electrical insulation



More information available online at www.ultimateindustrial.co.uk

Our head protection guide. Common questions continued.

DID YOU KNOW?



More than 2000 construction workers suffer major injuries each year, many of which change their lives forever - HSE



More information available online at www.ultimateindustrial.co.uk



Our selection guides to eyewear, respiratory, hand and arm protection, work at height, hearing protection, workwear and clothing and footwear.



An extensive range of Scott safety helmets.

Helmet maintenance

While the relatively low costs involved in purchasing safety helmets have almost made them a disposable product many safety helmets are used for long periods with no basic checks or maintenance. This can result in potentially unsafe products being used on a daily basis with the obvious risk of injury in the event of an accident. Some useful information on storage and maintenance is outlined below. We would recommend a documented system of checks at regular intervals and users should carry out a basic visual check on a daily basis.

- Safety helmets must be maintained in good condition.
- Be stored in a safe place, eg on a peg or in a cupboard on site;
- Not be stored in direct sunlight or in excessively hot, humid conditions because long-term exposure can weaken the shell;
- Be checked regularly for signs of damage or deterioration; This includes the shell, harness and accessories.
- Have defective parts replaced (if the model allows this). Parts from one model cannot normally be interchanged with those from another.
- Have the sweatband cleaned regularly or replaced.
- Before the safety helmet is issued to another person, it should be inspected to ensure it is serviceable and thoroughly cleaned in accordance with the manufacturer's instructions, eg using soap and water. The sweatband should always be cleaned or replaced.

Damage

Damage to the shell of a helmet can occur when: objects fall onto it, it strikes against a fixed object or it is dropped or thrown. If damage is visible or the helmet has been subject to a significant impact it should be replaced immediately.

Certain chemicals can also weaken the plastic of the shell leading to rapid deterioration in shock absorption or penetration resistance. Chemicals which should be avoided include aggressive cleaning agents or solvent based adhesives and paints. Where names or other markings need to be applied using adhesives, advice should be sought from the helmet manufacturer.

Normally, helmets should be replaced at intervals recommended by the manufacturer. They will also need replacing when the harness is damaged or if it is likely that the shock absorption or penetration resistance has deteriorated. For example, when the shell has received a severe impact, or if deep scratches occur (ie; to a depth greater than 25% of the shell thickness) or if the shell has any visible cracks.

Conformity

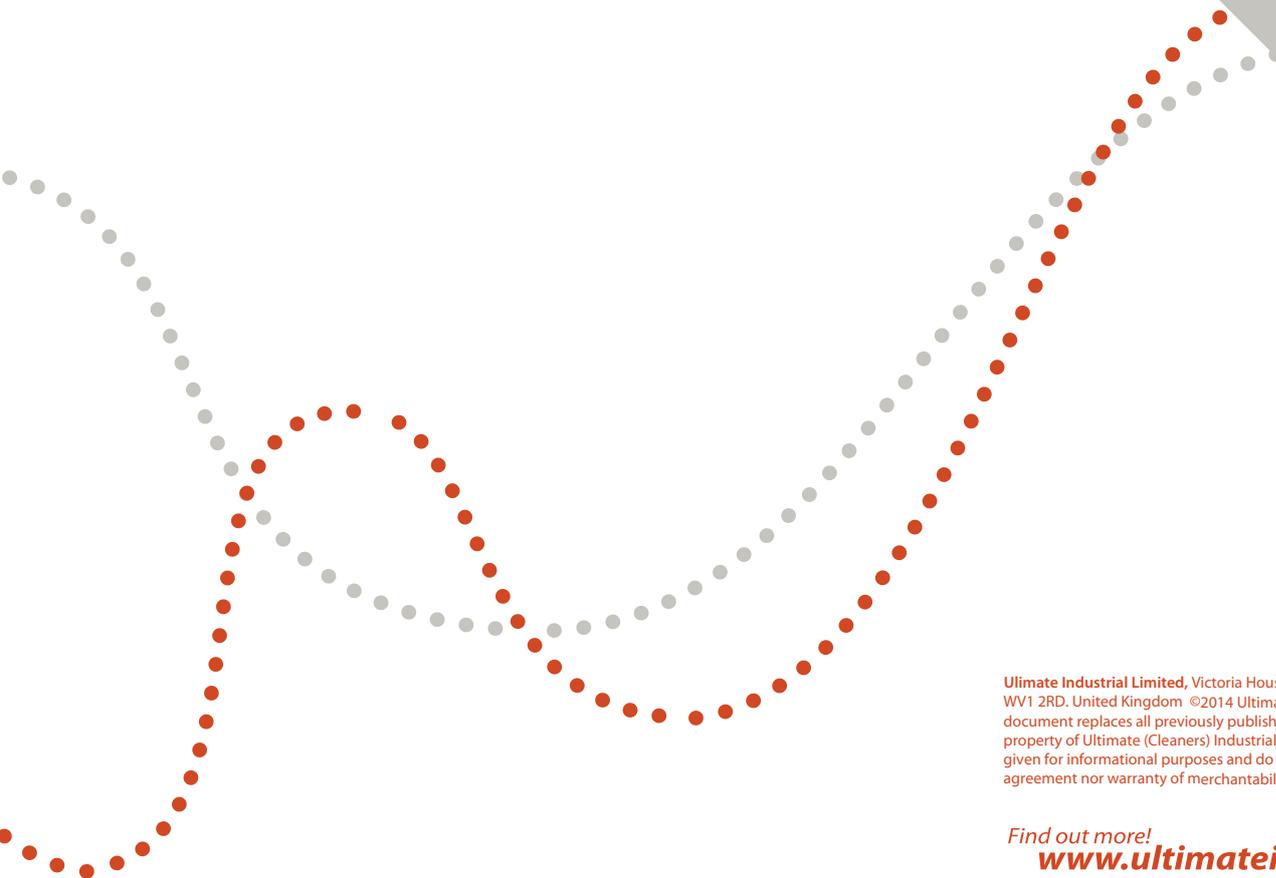
There have been recent occurrences of counterfeit helmets being sold in the UK which while appearing to be fully compliant with the relevant standards were found to be dangerous. Buy your helmet from a reputable supplier and ask them for a copy of their CE Certificate. If a supplier cannot supply this certificate it may be worth asking yourself why? Uci are always happy to provide CE Certificates on any of their products and answer any questions on suitability you may have.

Helmet accessories

There are a range of accessories available for safety helmets, the most popular being ear muffs, visors or chin straps. It is extremely important to ensure the relevant accessory is designed for the helmet being used. Even if the accessory will fit there is no guarantee the level of protection will be adequate as accessories are generally ONLY tested when fitted to that particular make of helmet.



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