

TUFFMASTER II

SAFETY HELMET



DESCRIPTION

The Tuffmaster II range of safety helmets offers impact protection against a wide array of falling hazards. Stability on the head, long duration comfort and ease of connecting additional face and hearing protection are the hallmarks of all Scott Safety helmet designs. Traditionally styled, Tuffmaster II can be specified in durable ABS or high heat Polycarbonate shell materials and reduced peak versions and standard or ratchet adjustment on the ABS variant.

APPLICATIONS

The Tuffmaster II has been designed to meet the requirements of EN397 for shock absorption, resistance to penetration, ignition by flame, and electrical insulation and is suitable for use in a wide range of industrial applications that require the use of head protection.

TECHNICAL SPECIFICATIONS

Materials

Shell Material	HC710 - UV stabilised Acrylonitrile Butadiene Styrene (ABS) HC750 - UV stabilised Polycarbonate (PC)
ABS Properties	ABS - Performs well at low temperatures, offers good, impact, abrasion and chemical resistance. Also a good electrical insulator
PC Properties	PC - Performs well at high temperatures, offers good, impact, abrasion and chemical resistance. Also a good electrical insulator
Head Cradle	Low Density Polyethylene (LDPE)
Attachment Segments	High Density Polyethylene (HDPE)
Webbing Straps	Terylene 25mm Polyester webbing
Sweatband	80% Cotton, 20% Nylon mix, Polyurethane Ester Foam backing (Leather Option available)
Ratchet	Nylon/ Polyurethane Foam/ Acetal
Accessory Slot	30mm (ABS), 25mm (PC)
Weight	372g to 440g
Size Adjustment	50-66cm standard, 50-64cm ratchet
Head Gear Options	Terylene Standard (HC710, HC750), Terylene Ratchet (HC735)
HXSPEC Eyeshield	1mm Polycarbonate - Clear, Clear Hard Coat, Smoke or Amber lenses

TECHNICAL DATASHEET

APPROVALS / ORDERING INFORMATION

Model	Material	Reduced Peak	HEADGEAR			OPTIONAL EN397						Chinstrap Points	Colour Options
			8 Point Terylene Standard	8 point Terylene Ratchet	EN397	Lateral Deformation (LD)	-30°C (Low Temp)	+150°C (High Temp)	Molten Metal (MM)	Electrical Insulation (440 Vac) EN397	Electrical Insulations (1000Vac/ 1500 Vdc) VDE Approved		
HC710	ABS	-	●	-	●	-	●	-	●	●	-	2	Yellow
HC710RP	ABS	●	●	-	●	-	●	-	●	●	-	2	Yellow
HC735	ABS	-	-	●	●	-	●	-	●	●	-	2	Yellow
HC735RP	ABS	●	-	●	●	-	●	-	●	●	-	2	Yellow
HC735RP/CSB	ABS	-	-	●	●	-	●	-	●	●	-	3	Yellow
HC750	PC	-	●	-	●	-	●	●	●	●	-	2	Yellow

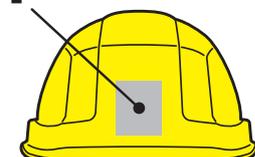
COLOUR OPTIONS

WHITE - ABS	YELLOW - ABS	WHITE - PC	YELLOW - PC
			
RAL - 9003	RAL - 1018	RAL - 9003	RAL - 1020

BRANDING POSITIONS

TUFFMASTER II (HC 710 / 750)		
	↔	↕
1	55mm	65mm
2	70mm	40mm
3	55mm	50mm

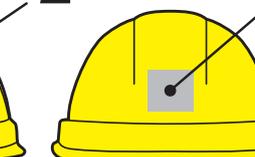
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HELMET LIFETIME RECOMMENDATIONS

A safety helmet's 'safe to use' age is dependant upon on a number of variable factors that must be assessed by the user through a process of careful monitoring and regular inspection prior to use. The date clock located on the peak of a helmet shell is purely an indication of when the shell was manufactured and does not accurately indicate what time period a safety helmet remains safe to use. The most important and relevant date to record in terms of safety is the date of first use and this should always be written immediately on the label provided in the back of the helmet. Polymers are durable materials and only really begin to change their mechanical properties when they are exposed to sunlight and industrial hazards. If left unused in conditions totally deficient of light, moisture and extremes of temperature a helmet shell does not have a short shelf life or short sell by date, infact its physical condition will not alter for some period of time.

TECHNICAL DATASHEET

A safety helmet's lifetime is reduced by a number of different factors:

- Impacts and abrasions
- UV light exposure
- Chemical exposure
- Temperature extremes
- Molten metal splash
- Electrical arc flash

As a manufacturer, it is almost impossible to predict exactly what effect these combinations will have on a helmet's 'safe to use age'. Users must regularly inspect and maintain their safety helmet and have an appreciation of their work environment when determining when to replace their safety helmet. Scott Safety recommends a maximum in use lifetime of 5 years from the date of first use. Providing the storage conditions stated in our user instructions are adhered to Scott Safety recommends that our helmets have a storage life of 5 years in addition to their service life without any notable decline in their mechanical performance.

MAINTENANCE

Helmets should be inspected prior to each use for signs of deterioration or damage, with defective parts replaced immediately. Helmets with damaged shells, e.g; with cracks, dents, excessive abrasion or severe discolouration must be discarded. Regular cleaning using warm water and mild detergent is likely to help extend the helmet's lifetime. A brush can be used to remove stubborn marks and dirt from the shell. Prior to washing, the harness should be removed from the shell to facilitate cleaning. The use of solvents, hot water, or harsh abrasives is not recommended.

DISPOSAL

ABS and PC belong to polymers recycling category 7. Please see local authority regulations for disposal advice and locations.

USE OF ADHESIVE LABELS

Adhesive labels can attack the structure of all plastic materials over time. Where labelling is a genuine necessity, Scott Safety recommends the use of acrylic or water based adhesives only. No solvent based labels or marker pens should be applied.

WEARING ORIENTATION

Scott Safety helmets are designed and tested to the requirements of EN397, with clear guidelines that helmets must be worn in the correct orientation with the peak at the front and the size adjustment mechanism at the rear. A helmet's headgear should never be removed to reverse its orientation; if this advice is ignored there can be no assurance that the helmet will meet its certified performance. Applications that require a reduced peak can be satisfied by specifying the Tuffmaster II reduced peak safety helmet, which is ideal for working in confined spaces or at height where greater vision is required.

ACCESSORIES

Scott Safety helmets are designed with a universal 30mm accessory slot to enable the connection of a wide variety of face or hearing protection. The HC750 is the exception to that with a 25mm accessory post. The range includes a comprehensive portfolio of face protection, passive and electronic hearing protection, sweatbands, chinstraps, replacement headgear, hygiene and winter liners. Details of these accessories are available in separate datasheets and can be provided by our customer service department upon request.

TECHNICAL DATASHEET

HELMET MARKINGS



Manufacturing Date

EN397 stipulates display of year and quarter of manufacture.

CE 0086

CE Marking

Mandatory conformity mark for the European Economic Area (EEA) - 0086 is the unique number of Scott Safety's notified body (BSI) that audits its quality systems.



Material type

The flowing arrows and '7' indicate a recycling capability and category for a group of polymers. ABS or PC indicates the material of the helmet Acrylonitrile Butadiene Styrene or Polycarbonate.



Helmet Model Label

An additional label is placed in the rear of helmets to indicate optional approvals that are held under EN397 for a specific helmet model, such as, -30°C, MM - Molten Metal or 440V electrical approval. Date of issue is marked to enable the user to record and more accurately assess a helmet's lifetime.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.