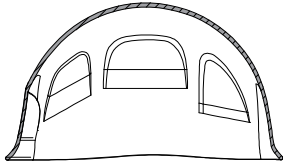


6. HELMETS

applies for: EN 12492, EN 14052, EN 397, EN 50365

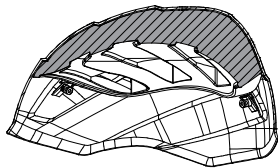
Types of helmets

Helmets to protect the user's head from falling objects and stones. Used for occupational safety (EN 397, EN 14052, EN 50365) and climbing/mountaineering (EN 12492).



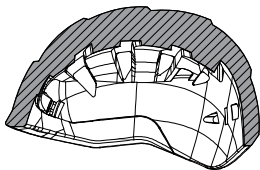
Hardshell helmets:

Hard plastic shells with a closure system made of webbing straps. The force from an impact is absorbed by the straps and elastic deformation of the shell. Often combined with an evaporated polystyrene (EPS) or evaporated polypropylene (EPP) inner; often multi-impact.



Hybrid helmets:

A hard plastic shell with an EPS or EPP rigid foam inner. The force from an impact is absorbed by the shell distributing the force and the rigid foam inner undergoing plastic deformation.

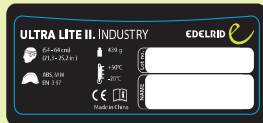


In-mold helmet:

A deep-drawn polycarbonate shell with EPS or EPP rigid foam. The force from an impact is absorbed by plastic deformation of the rigid foam.

LABELLING

Labelling is available, clearly legible; max. lifespan has not been exceeded.



Labelling ok

Inspection of the labelling includes as follows:
1. Product identification;
2. Date of manufacture

The manufacturer's user manual (UM) for the product includes its service life and usage period which must be checked.

Labelling is not available and/or the max. lifespan been exceeded.



Not available

Not legible

The product may not be returned for use without legible labelling.

HELMETS

Visual-/functional inspection

No cracks, fractures or discolouration are identifiable. All appropriate components are in place



Shell ok



Foam sections ok



Straps ok, can be adjusted

PRODUKT OK



- Document inspection

- Approve product for further use

Visual-/functional inspection

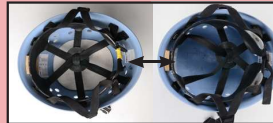
Parts of the product are broken, incomplete or discoloured. Withdraw product.



Fractures, cracks



Crazing



Foam section missing



Foam cracked



Cuts, damage



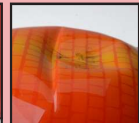
Cannot be adjusted



Webbing termination cut off



Discolouration



Deformed



Missing parts

PRODUKT AUSSONDERN

ELEMENT OK

WITHDRAW PRODUCT