



**Product Name : HC31 Safety Helmet**

Material : HDPE

Color :

Red (HC31RD) , Blue (HC31BL) , Green (HC31GN)

White (HC31WH) , Yellow (HC31YE) , Orange (HC31OR)

## Description

- **Shock absorption**

In the event of impact, the 6-point harness design is capable of improving the distribution of the force over the entire head to reduce the damage caused by the impact. 4 cones have been placed along the joints of the helmet harness and shell to absorb a portion of the incoming forces and provide the user with greater protection against impacts.

According to standard testing methods provided in European standard, a standard 5 kg striker is dropped from a height of 1000 mm to hit the safety helmet. The helmet should afford sufficient protection to the wearer's head and ensure that the force of impact transmitted to the head does not exceed 5kN.

- **Penetration Protection**

According to standard testing methods provided in European standard, a standard 3 kg puncture striker is dropped from a height of 1000mm to hit the safety helmet. The helmet should afford sufficient protection to the wearer's head and prevent any injury caused by the puncture hammer.

- **Chin strap**

Chin straps of the Blue Eagle safety helmet are compliant with European standard, helping to better secure the helmet while posing zero hazards to the wearer.

According to testing methods provided in European standards, an increasing force shall be applied to the chin strap until it loosens or breaks. The force for chin straps to loosen or break must be between 150 N and 250 N. Chin straps that loosen or break at forces less than 150 N would be disqualified as they are not strong enough. Chin straps that fail to loosen or break at forces greater than 250 N are also disqualified as they may pose hazards (such as strangling the wearer).

- **Electrical insulation**

The safety helmet provides excellent electrical insulation.