



Certification of mountaineering helmets



Evolution of the European standard EN12492:2025

The European standard EN12492 is mandatory for CE marking of mountaineering helmets.
The latest version was published in 2025.

What's new ?

3 Off-crown force transmission test (10°)

Front, side and back force transmission at 10° are added in the tests program.

Ergonomic requirements

Ergonomic tests with a test subject from the laboratory are added in the tests program.

Weight of the helmet shall be provided on the marking and instructions for use

The laboratory weighs each helmet type.
Each measurement shall be within the range of ±10 % compared to the weight provided on the marking and instructions for use.

Retention system strength

A new dynamic test is defined to test the retention system strength.
The test is based on measuring dynamic extension and residual extension during a mass drop.

Position of the helmet on the headform

For all test on headform, the helmet is positioned in accordance with the Helmet Positioning Index (HPI) given by the manufacturer.

Absorption and penetration tests

Speed becomes the main parameter to control instead of drop height.

Material requirements

Materials which come, or could come into prolonged contact with the skin, shall be in accordance with EN ISO 13688:2013, 4.2

Marking

The helmet weight shall be marked.
The label has been removed.

Scope

The helmets for mountaineers do not apply to helmets used in ski mountaineering (for which EN 18100 is applicable).

In brief



The standard is different, requiring all tests to be redone on helmets which have already been certified.



Entrust us with the certification of your new helmets. We are ready !



Apave certifies your PPE



Since 2009, Apave has been the French notified body for helmet certification with a 1500 m² laboratory area entirely dedicated to PPE testing

International market :
More than 1500 customers worldwide trust us to certify their PPE

We also test :

- Industrial bump caps (EN812)
- Electrically insulating helmets (EN50365)
- Helmets for industry (EN397)

Any questions ? Please contact us !

Our Apave team dedicated to PPE certification is here to support you

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