

3M™ Peltor™ Uvicator™ Sensor



PELTOR™

Peltor™ G2000

WITH THE PATENTED PELTOR™ UVICATOR™ SENSOR

The service life and protective aspect of a safety helmet is affected by physical or chemical damage, and UV-radiation from the sun.

Whilst physical damage, caused by blows to the helmet shell or exposure to aggressive chemicals is readily visible, however, damage caused by UV-radiation is difficult to detect.

When a safety helmet is exposed to sun light the stability of the plastic shell may be adversely affected due to interaction between sunlight and plastic material which may weaken the helmet and compromise safety of the wearer. The adverse effect is dependent not only on the nature of the plastic material but also intensity of sun light.

All too often damage to the helmet shell may not be visible to the naked eye.

To mitigate against this risk manufacturers often rely on general guidelines on usage, storage and replacement irrespective of period of exposure to sunlight. In line with good safety practice the user has to keep a close tab on how the helmet is used and for how long resulting in unnecessary disposal of 'good' helmets.

With the new Uvicator Sensor there is now an accurate and easy way to assess integrity and safety of the helmet related to UV-radiation without the added cost of unnecessary replacement by simply looking for colour change.

Red, the new sign of safety.

The patented Uvicator™ Sensor is intended to easily and clearly help show the user when his/her helmet has been over-exposed to UV-radiation and thus when to replace it. This new technology is the result of many years of full scale and artificial ageing testing of different material combinations under various sunlight exposure conditions.

A circular shaped disc, based on the Uvicator Sensor, is strategically placed slightly below the highest point of the helmet. This location has been carefully selected to optimize the measurement of sunlight exposure under normal working conditions when the head slightly leans forward.

As the helmet is exposed to sunlight, the disc is calibrated to detect the amount of UV radiation received and gradually changes colour over time, clockwise, from red to white. When the disc turns completely white, it means that the helmet has received maximum tolerable radiation and therefore needs to be replaced.

To allow that the Uvicator Sensor is fully functioning, ensure that the indicator disc is free from stickers and labels.



**Measures exposure
to UV radiation**

**Technically calibrated
and tested**

**Works globally
in most environments**

**Tells you when to
replace your helmet**

3M

Peltor™ G2000

Attractive design and excellent protection! That's the easiest way to summarise the Peltor G2000 helmet. The helmet goes well beyond the requirements for formal testing and is comfortable with its low back and relatively low profile. It was designed to accommodate additional accessories, such as integrated eyewear, visor and hearing protection.

Fully compliant with EN 397, with the following additional approvals:

- G2000*
low temperature, -30°C, lateral deformation, LD and molten metal, MM
- G2001*
(not ventilated): low temperature, -30°C, lateral deformation, LD, molten metal, MM, and electrical insulation, 440Vac.
- G2001* 1000V
same as G2001 with additional approval against EN50365, a 1000-volt test.

Material: UV-stabilised ABS.

Colours: Yellow, white, orange, red, blue, green and Hi-Viz

Weight: 340 g

Size: 54-62 cm

Features and Benefits:

Ventilation

For comfort, good ventilation is a must, particularly in warm environments. The G2000 allows free air-flow between the helmet and its harness. Combined with ventilation inlet in the top of the helmet, this helps to increase wearer's acceptance.

Peltor™ Uvicator™ Sensor

The disc tells you when it's time to replace your helmet.

Neck protection

Extended edge on the back of the helmet provides extra protection for the sensitive neck area.

Headband

This important feature determines how steadily the helmet sits on the head. Easy to adjust.

Optimal profile for ear muffs

The G2000 features a special profile design to enable helmet mounted ear muffs to achieve optimal fit and maximum adjustability for individual needs.



Ratchet headband

For easier and quicker adjustment.



LDPE headband

PVC sweatband

Polyester cradle

Leather sweatband

Optional space for customised print

A flat surface for printing a logotype or brand name.

Sweatband

Easy to replace for highest comfort and hygiene. Also available in soft leather.

Attachment point for accessories

An adjustable snap attachment in the balance point of the helmet to allow simple attachment of accessories, such as muffs, headsets and visors

