3M™ Peltor™

Uvicator™ Sensor



PELTOR™

Peltor™ G3000

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.

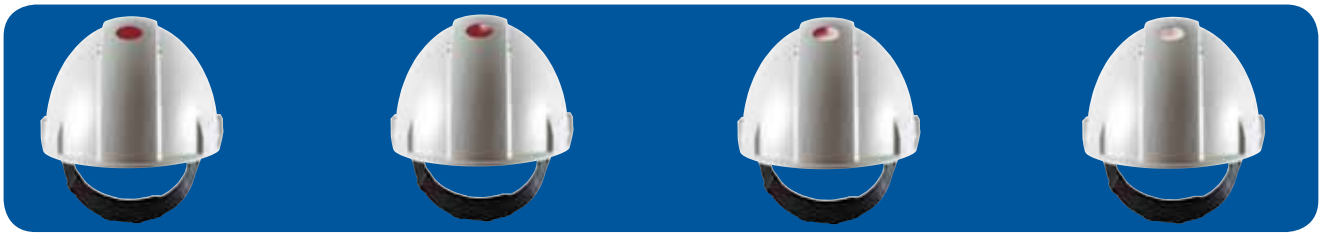
Red, the new sign of safety.

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™ G3000

The G3000 helmet has been designed in close collaboration with forestry and industrial workers. It is intended for use in harsh environments with tough demands for effective protection, excellent ventilation and a maximum field of vision.

The unique characteristics of the G3000 are:

Offers excellent protection and fully approved against EN 397, with the following additional approvals:

- **G3000***
  low temperature, –30°C, and molten metal, MM
- **G3001***
  (unventilated): low temperature, –30°C, molten metal, MM, and electrical insulation 440Vac,
- **G3001* 1000V**
  (unventilated): same as G3001 with additional approval according to EN50365, a 1000-volt test
- **G3000*-10***
  (with lamp and cord holder) low temperature, –30°C and molten metal, MM

Material: UV-stabilised ABS
Colours: Yellow, white, orange, red, blue, green and Hi-Viz
Weight: 310 g
Size: 54-62 cm

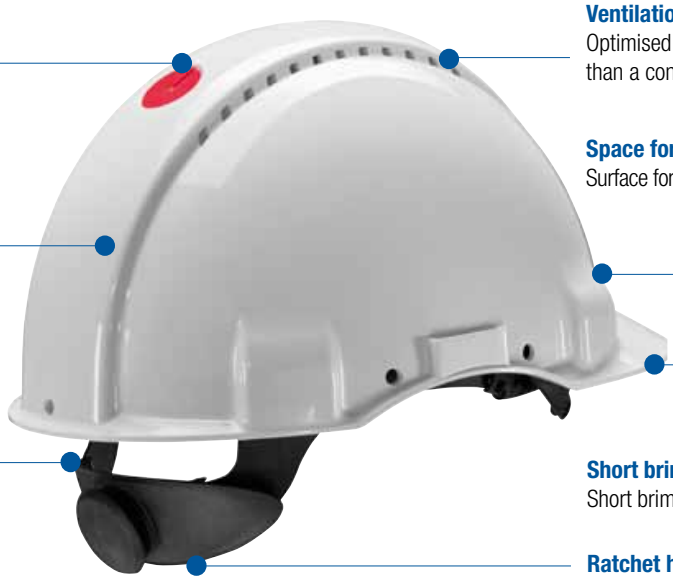
Peltor™ G3000 Hi-Viz Helmet

The G3000 Hi-Viz helmet is a safety helmet with the same properties as the G3000 but for users who want to be extra visible at work.
The helmet has the same protection class as the standard-version G3000.





Features and Benefits:



Peltor™ Uvicator™ Sensor
The disc tells you when it's time to replace your helmet.

Slim design
Softly rounded design, which helping to avoid helmet parts to snagging on branches etc.

Reversible lining
Lining that can be rotated 180° allow the helmet to be worn back-to-front which is ideal, for example, when working in tight spaces or climbing.

Ventilation
Optimised ventilation with more ventilation holes than a conventional ventilated helmet.

Space for company name
Surface for printing a logotype, brand name, etc.

Short brim
Short brim giving a broader field of view.

Ratchet headband
For easier and quicker adjustment.