# HIMAFOR

## Area of use*


## Technical features

**Head protection kit.**
HIMAO - polypropylene safety helmet.
PVHIMA - helmet visor holder.
VGHIMA - mesh visor.
SHELLY2 - helmet hearing protection.
Delivered unassembled.
**Colour:** orange and black.
**Packaging:** carton of 3 boxes.
**Subpackaging:** individual box.

## Advantages

**HIMAO -** Versatile, comfortable, lightweight, and ergonomic helmet.
**PVHIMA -** Flip-up visor holder. Quick and easy assembly.
**VGHIMA -** Lightweight and durable mesh visor (stainless steel).
**SHELLY2 -** Flip-up hearing protection, comfortable and flexible.

SKULL protection

## Certification

Complies with **European Regulation (EU) 2016/425** on Personal Protective Equipment (**PPE**).

| Reference | Standards | Issued by | Category |
|---|---|---|---|
| HIMAO | **EN 397 (LD), EN 12492** | Alienor Certification (n°2754). | II CE |
| PVHIMA + VGHIMA | **EN ISO 16321-1 : 2022 / EN ISO 16321-3 : 2022 (C)** | Alienor Certification (n°2754). | II CE |
| SHELLY2 | **EN 352-3 : 2020 / SNR 28 dB (H: 28 dB / M: 27 dB / L: 21 dB)** | Alienor Certification (n°2754). | III CE 2754 |

Download the EU declaration of conformity on **https://docs.singer.fr**

(*) Example of use given as a guide only. The end user must check whether the product is suitable or not for the intended use.
Before any use, read carefully the instructions enclosed with the product. Exclusive sale to professionals. 

SINGER safety

| STANDARDS | |
|---|---|
| **EN 397** | Industrial safety helmet. |
| EN 50365 | Electrically insulating helmets for use on low voltage installations. |
| EN 13087-1 to 10 | Protective helmets: test methods. |
| EN 812 | Industrial bump caps. |
| EN 14052 | High performance industrial safety helmets. |
| **EN 12492** | Mountaineers helmets |

| EN 397 - INDUSTRIAL SAFETY HELMET | |
|---|---|
| **Obligatory requirements** | - Shock absorption<br>- Penetration resistance<br>- Flame-resistance<br>- Chin-strap anchorage points<br>- Release of the chinstrap (between 150 and 250 N) |
| **Optional requirements** | Optional additional requirements are applicable only when specifically demanded by the manufacturer of the helmet. |

| EN 12492 – MOUNTAINEERS HELMETS | |
|---|---|
| **Obligatory requirements** | - Shock absorption<br>- Penetration resistance<br>- Ventilation<br>- Resistance of the chinstrap (500 N) |
| **Optional requirements** | Optional additional requirements are applicable only when specifically demanded by the manufacturer of the helmet. |

## EN 50365 - ELECTRICALLY INSULATING HELMETS

For staff working on or near energized parts facilities not exceeding 1000 V AC or 1500 V DC (Class 0). These equipments, combined with other protections, should avoid dangerous currents to cross through the head.

## EN 812 - INDUSTRIAL BUMP CAPS

This standard specifies the physical and performance requirements, the testing methods and the marking requirements of the bump caps for industry. The bump caps for industry are intended to protect the wearer when he hits his head against hard and stationary objects with sufficient force to cause lacerations or other superficial injuries. They are not intended to protect from the efects of projections or the falling of suspended or moving objects or loads. One should not confuse the bump caps for industry with the protection helmets for industry specified in EN 397.

| STANDARDS | |
|---|---|
| EN 352-1 | Hearing protectors.<br>Part 1: Ear-muffs. |
| EN 352-2 | Hearing protectors.<br>Part 2: Ear-plugs. |
| **EN 352-3** | Hearing protectors.<br>Part 3: Ears-muffs mounted on helmet (EN 397). |

| DAILY MAXIMUM EXPOSURE TIME | |
|---|---|
| **80 dB** | 8 hours |
| **83 dB** | 4 hours |
| **86 dB** | 2 hours |
| **89 dB** | 1 hour |
| **92 dB** | 30 minutes |
| **95 dB** | 15 minutes |
| **98 dB** | 7 minutes and 30 seconds |

## EN 352-1 - EARS-MUFFS

This standard specifies the requirements in field of construction, conception, performance and printing of ears-mufs as well as information for end-user. It stipulates particularly the acoustic fading of ears-muffs in conformity with the EN 24869-1. This standard does not apply to ear-mufs to be mounted on safety helmets or integrated to helmets.

## EN 352-2 - EARS-PLUGS

This standard specifies the requirements in field of construction, conception, performance and printing of ears-plugs as well as information for end-user. It stipulates particularly the acoustic fading of ears-plugs in conformity with EN 24869-1 standard.

## EN 352-3 - EARS-MUFFS MOUNTED ON HELMET

This standard specifies the requirements for the construction, conception, performance and printing of ears-mufs mounted on safety industrial helmets in conformity with EN 397 standard as wel l as information for end-user. It stipulates particularly the acoustic fading of ears-muffs mounted on industrial helmets in conformity with EN 24869-1. As a same ear-muff can be mounted on different models or sizes of industrial safety helmets, the current part of standard specifies many physics and acoustic requirement depending the models or the helmetsize ear-muffs are mounted on. Requirements apply totally to the basic combination, that is to say helmet and ear-mufs mounted on one model or on one of the specified size of helmets. Requirements apply partially only to the additional combination, that is to say ear-muffs of the same model but attached on other helmets or sizes than the specified ones.