



**TÜVRheinland®**

**DIN CERTCO**

Precisely Right.



## **Certification Scheme**

**Eye Protection:  
Category I-Products acc. to  
PPE-Regulation and Non-PPE Products  
(Sunglasses, ski goggles, ophthalmic optics,  
workstation screens etc.)**

in accordance with

**Regulation (EU) 2016/425,  
legislation and standards**

(Edition: October 2024)

## Foreword

DIN CERTCO was founded in 1972 by DIN Deutsches Institut für Normung e. V., is now part of the TÜV Rheinland Group and is the certification body for issuing DIN marks and other certification marks for products, persons, services as well as companies based on DIN standards and similar specifications. Due to its independence, neutrality, competence and many years of experience, DIN CERTCO enjoys a high reputation both at home and abroad.

In order to prove the functionality of the system and our competence as a certification body, we have been accredited, certified or recognised by independent domestic and foreign bodies in both the voluntary and legally regulated areas. [Our accreditations](#).

Alongside the general terms and conditions in place at DIN CERTCO, this certification forms the basis for enabling providers of eye protectors of category I according to the PPE-Regulation as well as non-PPE products to obtain certificates of conformity from DIN CERTCO. In some cases, this can be combined with the right to label products with the "DIN-Geprüft" (DIN tested) certification mark or the "DINplus" quality mark. By doing so, they demonstrate that their products meet all requirements of the directives or regulation, legislation and standards.

The various certification marks create customer confidence: they can rest assured that an independent, neutral and specialist institution has carefully investigated and reviewed all the inspection criteria. External quality controls also ensure that product quality remains at a high level during ongoing manufacture. All of which provides operators with added value that will help them decide which products to purchase.

All certificate holders can be viewed on the DIN CERTCO website ([www.dincertco.de](http://www.dincertco.de)), which is updated on a daily basis.

## Start of validity

This certification program is valid from 2024-10-01.

## Amendments

This certification scheme differs from the certification scheme "Category I-Products acc. to PPE-Directive and Non-PPE Products" (2017-03) as follows:

- a) Removal of the PPE Directive
- b) Addition of certificate of conformity
- c) Updating of the conditions for "DIN-Geprüft" and "DINplus"
- d) Addition of the EN ISO standards.
- e) Removal of the GS mark

## Previous Editions

Certification scheme "Category I-Products acc. to PPE-Directive and Non-PPE Products" (2017-03)

## Remark

The German version of this certification scheme shall be taken as authoritative. No guarantee can be given to the English translation.

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## 1 Scope of application

This certification scheme applies to the eye protectors listed in Annex A. Together with the additional test standards stated below, it includes all requirements necessary to award the certificates of conformity listed in this certification scheme.

This certification scheme establishes requirements for product testing and for quality assurance measures at the manufacturer.

The resolutions of the ZEK (central exchange of experience forum of notified bodies of Germany) and of the EK8 (exchange of experience forum no. 8 of notified bodies) are mandatory for DIN CERTCO. ZEK and EK8 are forums of the ZLS (central authority of the German federal states for safety). Additional mandatory are provisions of the ZLS for notified bodies.

In general, finished products are eligible for certification. For the purposes of this certification scheme, finished products are classed as all products deemed to be ready for use as regards their optical properties without the need for modifications such as countersinking, bending, hardening, coating or connection with other parts. Edging and cutting to size and shape are permitted, except for hardened safety glass. Eye protectors are classed as ready for use once they have been fitted with lenses.

## 2 Test and Certification Specifications

The following referenced documents form the basis for testing and certification. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

- a) Standards according to Annex A
- b) Regulation (EU) 2016/425
- c) Product Safety Law ProdSG
- d) ProdSV
- e) Resolutions of the ZEK
- f) This certification scheme
- g) The General Terms and Conditions of DIN CERTCO in the current version
- h) The respective schedule of fees of DIN CERTCO in the current version

### 2.1 Product requirements

The requirements placed upon the products consist of legal provisions (Regulation (EU) 2016/425) and further details and supplements contained in the standards.

DIN CERTCO imposes its own additional requirements for particularly high-quality products and these forms the basis for DIN*plus* certification.

#### 2.1.1 Requirements of Regulation (EU) 2016/425

The Regulation states that eye protectors must provide adequate protection against all risks encountered.

## **2.1.2 Normative requirements**

The technical requirements and their inspection during the certification process at DIN CERTCO are set out in the applicable versions of the standards mentioned in Annex A.

## **2.1.3 Additional requirements for DIN*plus***

For certain products, additional product-specific requirements have been drawn up in order to guarantee a particularly high level of quality, safety and usability (see Annex B).

### **3 Certification process**

#### **3.1 Certification DIN-Geprüft, DINplus**

DIN CERTCO can provide manufacturers a voluntary DIN-Geprüft or DINplus certification if their products meet the relevant normative requirements.

In addition, a quality control inspection of the product is carried out during the validity of the certificate.

##### **3.1.1 Application**

The applicant submits to DIN CERTCO the corresponding, completed and signed application forms together with the number of samples of the products to be certified specified by DIN CERTCO.

##### **3.1.2 Initial testing**

DIN CERTCO carries out the tests specified in the test plan.

If individual component tests are to be subcontracted, DIN CERTCO will inform the applicant accordingly in the quotation or order confirmation.

The test results are collated in a test report, which contains all the information required for assessment.

##### **3.1.3 Conformity assessment**

The conformity assessment serves to determine whether the available test results are up-to-date, complete and in accordance with the relevant standards and whether a consistently high quality of production can be expected.

##### **3.1.4 Issuing of the certificate**

If complete conformity with the requirements is demonstrated by testing and evaluation, the applicant receives a certificate and thus the right to use the relevant certification mark. The period of validity is usually 5 years.

However, the certificate holder must inform DIN CERTCO of any changes to the product. The scope of testing will then be determined by DIN CERTCO on a case-by-case basis. In this case, the certificate holder must apply for an alteration to the certificate.

If there are significant deviations from the requirements of this certification scheme, a nonconformity report will be issued and the issuance of a certificate for this type will be refused.

##### **3.1.5 Monitoring tests**

At least one product test will be carried out during the period of validity of the certificate. The product is sent by the manufacturer.

The scope of the planned quality control inspection is based on the table in Annex C and Annex D. The scope of the unplanned inspections is decided on a case-by-case basis.

The certificate holder receives written confirmation if the result of the planned quality control measure is positive.

If the result of the planned quality control measure is negative, the further procedure and applicable countermeasures are agreed with the certificate holder, as is the case for unplanned measures with a negative result.

Each deviation is documented.

### **3.1.6 Renewal**

The tests are carried out in good time before the certificate expires to renew the certificate.

These renewal tests, like the quality control tests, may be carried out with a reduced scope of testing regarding the test criteria and number of test samples (see Annex C and Annex D). The scope of testing is determined by the certification body.

### **3.2 Certificate of conformity (CoC)**

DIN CERTCO can provide manufacturers a voluntary certificate of conformity if their products meet the relevant normative requirements.  
Quality controls will not be carried out.

#### **3.2.1 Application**

See clause 3.1.1

#### **3.2.2 Initial testing**

See clause 3.1.2

#### **3.2.3 Conformity assessment**

For Category I products, DIN CERTCO assess the test results regarding conformity with the relevant standards.

For non-PPE products, the relevant standards are used as a basis for the assessment.

#### **3.2.4 Issuing of the certificate**

If the assessment result is positive, DIN CERTCO issues the certificate of conformity for the product. The certificate of conformity is valid for a maximum of 5 years and is valid for one type.

However, the holder of the certificate of conformity must inform DIN CERTCO of any changes to the product. The scope of testing will then be determined by DIN CERTCO on a case-by-case basis. In this case, the holder of the certificate of conformity must apply for an alteration to the certificate of conformity.

If there are significant deviations from the requirements of this certification scheme, a nonconformity report will be issued and the certificate of conformity for this type will be refused.

#### **3.2.5 Renewal**

The tests are carried out in good time before the certificate of conformity expires to renew the certificate.

These renewal tests may be carried out with a reduced scope of testing regarding the test criteria and number of test samples (see Annex C and Annex D). The scope of testing is determined by the certification body.



## **4 Further regulations**

### **4.1 Registration numbers**

Format of registration numbers:

DIN-Geprüft: DxxxxXYZ/Rx

DIN*plus*: PxxxxXYZ/Rx

Certificate of conformity: KxxxxXYZ/Rx

### **4.2 Publications**

All certificate holders can be viewed on the daily up-dated homepage of DIN CERTCO ([www.dincertco.de](http://www.dincertco.de)) under <Certificates and Registrations>. Manufacturers, users and consumers use this research possibility for obtaining information on certified products.

## Annex A Scope of application and test standards

The following products and test standards are covered by this certification scheme.

| No.       | Product   | Standard/test basis                                  |
|-----------|---|--|
| <b>1.</b> | <b>Eye protectors category I accord. PPE Regulation</b>                         |  |
|           | Sunglasses for general use  | DIN EN ISO 12312-1                                   |
|           | Ski goggles for downhill skiing   | DIN EN 174   |
|           | Downhill skiing and snowboarding goggles  | DIN EN ISO 18527-1                                   |
| <b>3.</b> | <b>Workstation screens</b>  |  |
|           | Transparent welding curtains, strips and screens                                | DIN EN ISO 25980                                     |
|           | Screens for laser working places  | DIN EN 12254   |
| <b>4.</b> | <b>Ophthalmic optics</b>  |  |
|           | Spectacle lenses  | DIN EN ISO 14889                                     |
|           | Spectacle frames  | DIN EN ISO 12870                                     |
|           | Ready-to-wear-spectacles  | DIN EN 14139   |
| <b>5.</b> | <b>Additional test basis</b>  |  |
|           | Personal eye protection – Optical test methods                                  | DIN EN 167 / ISO 18526-1 + ISO 18526-2 + ISO 18526-4 |
|           | Personal eye protection – non-Optical test methods                              | DIN EN 168 / ISO 18526-3 + ISO 18526-4               |
|           | Personal eye protection – Eye and face protection – Vocabulary                  | DIN EN ISO 4007                                      |
|           | Personal protective equipment – Test methods for sunglasses and related eyewear | DIN EN ISO 12311                                     |

Further products and standards on request

**Annex B Additional requirements for DINplus**

| Product  | Refractive power   | Diffusion of Light/<br>Haze  | Transmittance requirements   | Resistance to UV radiation   | Other                |
|--|--|--|--|--|----------------------|
| Ski goggles for downhill skiing<br>(DIN EN 174)                                | Spherical $\leq 0.06$ dpt<br>Astig. $\leq 0.06$ dpt<br>Prism. $\leq 0.5$ cm/m B.a.<br>Prism. $\leq 0.12$ cm/m B.i.<br>Prism. $\leq 0.15$ cm/m vert   | Diffusion of light class 1:<br>$\leq 0,5$ cd/m <sup>2</sup> /lx<br>Diffusion of light class 2:<br>$\leq 1,0$ cd/m <sup>2</sup> /lx | UV: $\leq 80$ %<br>of standard requirements  | $\leq 80$ % of standard requirements                                 |                      |
| Downhill skiing and snowboarding goggles<br>(DIN EN ISO 18527-1)               | Spherical $\leq 0.09$ dpt<br>Astig. $\leq 0.09$ dpt<br>Difference betw. spherical<br>R $\leftrightarrow$ L $\leq 0,09$ dpt<br>Prism. $\leq 0.75$ cm/m B.a.<br>Prism. $\leq 0.12$ cm/m B.i.<br>Prism. $\leq 0.15$ cm/m vert | $\leq 2$ %   | UV: $\leq 80$ %<br>of standard requirements  | $\leq 2$ %<br>$\leq 80$ % of standard requirements                   |                      |
| Transparent welding curtains, strips and screens<br>(DIN EN ISO 25980:2015-01) |  |  | 210 to 313 nm: $\leq 0,001$ %<br>> 313 to 400 nm: $\leq 1$ %<br>Hazard level: G $\leq 0,8$ |  | Glow time $\leq 2$ s |
| Transparent welding curtains, strips and screens<br>(DIN EN ISO 25980:2023-08) |  |  | 210 to 400 nm: $\tau \leq 0,0016$ %<br>300 to 700 nm: $\tau < 0,8$ %                       | 210 to 400 nm: $\tau \leq 0,0016$ %<br>300 to 700 nm: $\tau < 0,8$ % | Glow time $\leq 2$ s |

Further products and standards on request

**Annex C Minimum characteristics subject to quality controls for the DIN-Geprüft mark**

|   | Refraction powers , prismatic difference, | Diffusion of Light / Haze | Mechanical strength | Transmittance requirements | Resistance to UV radiation | Temperature resistance | Reflection Requirements | Dimensional stability at elevated temperatures | Mechanical strength | Homogeneity | Resistance to ignition | Hot penetration | Surface damage by fine particles |
|---|---|---------------------------|---------------------|----------------------------|----------------------------|------------------------|-------------------------|--|---------------------|-------------|------------------------|-----------------|----------------------------------|
| Sunglasses for general use  | +   |                           |                     | +                          |                            |                        |                         |  |                     |             |                        |                 |                                  |
| Ski goggles<br>(according to DIN EN 174)                                      | +   | +                         | +                   | +                          |                            |                        |                         |  |                     |             |                        |                 |                                  |
| Downhill skiing and snowboarding goggles<br>(according to DIN EN ISO 18527-1) | +   | +                         | +                   | +                          |                            |                        |                         |  |                     |             |                        |                 |                                  |
| Ready-to-wear spectacles  | +   |                           | +                   |                            |                            |                        |                         | +  | +                   |             |                        |                 |                                  |
| Spectacle lenses  | +   |                           | +                   | +                          |                            |                        |                         |  |                     |             |                        |                 |                                  |
| Spectacle frames  |   |                           | +                   |                            |                            |                        |                         | +  |                     |             |                        |                 |                                  |
| Transparent welding curtains, strips and screens                              |   |                           |                     | +                          | +                          |                        | (+)                     |  |                     |             | +                      |                 |                                  |
| Screens for laser working places  |   |                           | +                   | +                          | +                          |                        |                         |  |                     |             | +                      |                 |                                  |

(+) = if applicable



For products that are not listed in the above table, the scope of testing for quality control purposes must be agreed separately with DIN CERTCO.

**Annex D Minimum characteristics subject to quality controls for the DINplus mark**

|   | Refraction powers , prismatic difference, | Diffusion of Light / Haze | Mechanical strength | Transmittance requirements | Resistance to UV radiation | Reflection requirements | Homogeneity | Resistance to ignition | Hot penetration | Surface damage by fine particles |
|---|---|---------------------------|---------------------|----------------------------|----------------------------|-------------------------|-------------|------------------------|-----------------|----------------------------------|
| Ski goggles<br>(according to DIN EN 174)                                      | +   | +                         | +                   | +                          | +                          |                         |             |                        |                 |                                  |
| Downhill skiing and snowboarding goggles<br>(according to DIN EN ISO 18527-1) | +   | +                         | +                   | +                          | +                          |                         |             |                        |                 |                                  |
| Transparent welding curtains, strips and screens                              |   |                           |                     | +                          | +                          |                         |             | +                      |                 |                                  |

For products that are not listed in the above table, the scope of testing for quality control purposes must be agreed separately with DIN CERTCO.

# Annex E Comparison of test marks (quality marks) for PPE

| Mark                                      |  |                             |  |
|---|---|---|--|
| Name                                      | DIN-Geprüft   | DINplus   | Certificate of conformity (CoC)  |
| Use                                       | Voluntary   | Voluntary   | Voluntary  |
| Basic principle                           | Confirmation by DC that the product conforms to the relevant DIN standards.       | Confirmation by DC that the product conforms to the relevant DIN standards and meets additional requirements. | Confirmation by DC that the product conforms to the relevant standards.              |
| Legal basis                               | DIN standards   | DIN standards, additional requirements according to certification scheme (Annex B)                            | DIN standards, EN- or ISO standards, ANSI standards, CSA standards, AS/NZS standards |
| Inspection of manufacturing sites (audit) | /   | /   | /  |
| Product quality controls                  | Yes, after 2 years (partial testing is possible)                                  | Yes, after 2 years (partial testing is possible)  | /  |
| Sampling for product quality controls     | Yes, after 2 years (Sending from the customer)                                    | Yes, after 2 years (Sending from the customer)  | /  |
| Validity of the certificate               | Usually, 5 years (renewal is possible, for this at least partial testing)         | Usually, 5 years (renewal is possible, for this at least partial testing)                                     | Usually, 5 years (renewal is possible, for this at least partial testing)            |
| Language                                  | DE and/or EN  | DE and/or EN  | DE and/or EN   |