TÜVRheinland®
DIN CERTCO
Precisely Right.

Certification Scheme

Eye Protection:
Category II-Products acc. to PPE-Regulation
(Eye protectors with and without filtering effect, welding protection, laser safety etc.)

in accordance with

Regulation (EU) 2016/425,
legislation and standards

(Edition: August 2025)

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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-II according to the PPE-Regulation to obtain EU-type-examination certificates and/or other 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 “DIN*plus*” quality mark. By doing so, they demonstrate that their products meet all requirements of the 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), which is updated on a daily basis.

Start of validity

This certification program is valid from 2025-08-01.

Amendments

This certification scheme differs from the certification scheme “Category II-Products acc. to PPE-Directive/Regulation“ (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 "DIN*plus*"
d) Addition of the EN ISO standards
e) Removal of the GS mark

Previous Editions

Certification scheme “Category II-Products acc. to PPE-Directive/Regulation“ (2017-03)

Remark

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

CONTENTS

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 citied 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) with obligatory EU type-examination certificate 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 0).

3 Certification process

3.1 EU type-examination for category II products

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

DIN CERTCO assesses the test results regarding conformity with the relevant harmonised standards and the requirements of Annex II of Regulation (EU) 2016/425.

3.1.4 Issuing the EU type-examination certification

If the assessment result is positive, DIN CERTCO issues the EU type-examination certificate ("CE certificate") for the product. The EU type-examination certificate is valid for a period of 5 years.
In addition, the certificate holder must inform the notified body of any changes to the product. The scope of testing is then specified by DIN CERTCO on a case-by-case basis. In this case, the certificate holder must apply for an update to the EU type-examination certificate.

In the event of repeated deviations from the requirements of the certification scheme, a nonconformity report will be issued and the EU type-examination certificate for this type will be refused. Other certification bodies and the ZLS will be informed of this in writing by DIN CERTCO.

3.1.5 Monitoring tests

Monitoring tests and a factory inspection do not take place.

3.1.6 Renewal

In good time before the validity of the EU type-examination certificate expires, the safety-relevant properties of the PPE product are checked in addition to a document check to extend the EU type-examination certificate for a further 5 years.

3.2 DIN-Geprüft, DIN*plus* certification

In addition to the requirements detailed in section 3.1, the product is monitored for this certification during the period of validity of the certificate.

3.2.1 Application

See section 3.1.1

3.2.2 Initial testing

See section 3.1.2

3.2.3 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.

3.2.4 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.

3.2.5 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.

3.2.6 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.

3.3 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.

3.3.1 Application

See section 3.1.1

3.3.2 Testing

See section 3.1.2

3.3.3 Conformity assessment

DIN CERTCO assesses the test results regarding conformity with the relevant standards.

3.3.4 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.

3.3.5 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:

EU type-examination certificate: CxxxXYZ/Rx
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) 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:

Nr.	Product	Standard/test basis
1.	**Eye protectors category II acc. to PPE Directive or Regulation**	
1.1.	**General eye and face protection (without filter effect)**	
	Ocular without filtering action	DIN EN 166 / EN ISO 16321-1
	Oculars with corrective effect	DIN EN 166 / EN ISO 16321-1 DIN EN ISO 8980 Part 1+2 / DIN EN ISO 21987
	Cover plate	DIN EN 166 / EN ISO 16321-1
	Spectacle / Goggles with oculars without filtering action	DIN EN 166 / EN ISO 16321-1
	Frames for spectacle / goggle	DIN EN 166 / EN ISO 16321-1
	Face shield	DIN EN 166 / EN ISO 16321-1
	Mesh eye and face protectors	DIN EN 1731 / EN ISO 16321-1 + EN ISO 16321-3
	Frame for mesh visor	DIN EN 1731 / EN ISO 16321-1 + EN ISO 16321-3
	Mesh visors	DIN EN 1731 / EN ISO 16321-1 + EN ISO 16321-3
	Goggle for motorcycle and moped users	DIN EN 1938
1.2.	**General eye and face protection (with filter effect)**	
	Ultraviolet protection filters	DIN EN 166 / DIN EN 170 / EN ISO 16321-1
	Spectacle / Goggle with ultraviolet protective filter	DIN EN 166 / DIN EN 170 / EN ISO 16321-1
	Spectacle / Goggle frame for ultraviolet protective filter	DIN EN 166 / DIN EN 170 / EN ISO 16321-1
	Infrared filter	DIN EN 166 / DIN EN 171 / EN ISO 16321-1
	Spectacle / Goggle with infrared filter	DIN EN 166 / DIN EN 171 / EN ISO 16321-1
	Spectacle / Goggle frame for infrared filter	DIN EN 166 / DIN EN 171 / EN ISO 16321-1
	Sunglare filters for industrial use	DIN EN 166 / DIN EN 172 / EN ISO 16321-1
	Spectacle / Goggle with sunglare filter for industrial use	DIN EN 166 / DIN EN 172 / EN ISO 16321-1
	Spectacle / Goggle frame for sunglare filter for industrial use	DIN EN 166 / DIN EN 172 / EN ISO 16321-1
1.3.	**Welding protection**	
	Welding filter	DIN EN 166 / DIN EN 169 / EN ISO 16321-1 + EN ISO 16321-2
	Welder's spectacle / Welder's goggle	DIN EN 166 / DIN EN 175 / DIN EN 169 / EN ISO 16321-1 + EN ISO 16321-2
	Spectacle / Goggle frame for welder`s eye protector	DIN EN 166 / DIN EN 169 / EN ISO 16321-1 + EN ISO 16321-2
	Welder's face shield / Welding helmet	DIN EN 175 / EN ISO 16321-1 + EN ISO 16321-2
	Welder's hand shield	DIN EN 175 / EN ISO 16321-1 + EN ISO 16321-2
	Welder's protective hood	DIN 58214
	Automatic welding filter with manual scale number setting	DIN EN 379 / EN ISO 16321-1 + EN ISO 16321-2
	Automatic welding filter with automatic scale number setting	DIN EN 379 / EN ISO 16321-1 + EN ISO 16321-2
1.4.	**Laser eye-protectors**	
	Laser eye-protector – spectacle / goggle	DIN EN 207
	Filter against laser radiation	DIN EN 207
	Spectacle / Goggle frame for laser eye-protector	DIN EN 207
	Laser adjustment eye-protector – spectacle / goggle	DIN EN 208
	Laser adjustment filters	DIN EN 208
	Spectacle Goggle frame for laser adjustment eye-protector	DIN EN 208

Nr.	Product	Standard/test basis
1.5.	**Additional test basis**	
	Personal protective equipment - Eye and face protection - Vocabulary	DIN EN ISO 4007
	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

Further products and standards on request

Annex B.1 Additional requirements for DIN*plus* (according to DIN EN standars)

Product	Refractive power	Diffusion of Light	Transmittance requirements	Resistance to UV radiation	Other
Welding filter	spherical ≤ 0.06 dpt astig. ≤ 0.06 dpt prism. ≤ 0.5 cm/m B.o. prism. ≤ 0.12 cm/m B.i. prism. ≤ 0.15 cm/m vert	≤SST9: ≤ 0.5 cd/m²/lx >SST9: ≤ 0.75 cd/m²/lx	UV/IR: ≤ 80 % of standard requirements	≤ 80 % of standard requirements. if standard requires testing	/
Automatic welding filter	see welding protection filters	Class 1	UV/IR: ≤ 80 % of standard requirements	≤ 80 % of standard requirements. if standard requires testing	– Switching time: Factor 3 faster – Homogeneity: Class 1 – Angle dependence: at least Class 2
UV protection filter	see welding protection filters	≤ 0.2 cd/m²/lx	τ ≤ 0.3 % for UV protection filters with prefix 2C / 3 in the spectral range from 313 to 365 nm	≤ 80 % of standard requirements. if standard requires testing	/
Infrared filter	see welding protection filters	≤ 0.2 cd/m²/lx	IR Trans: ≤ 80 % of standard requirements	≤ 80 % of standard requirements. if standard requires testing	/
Sunglare filters for industrial use	see welding protection filters	≤ 0.2 cd/m²/lx	≤ 80 % of standard requirements Q ≥ 0.8 for red and yellow Q ≥ 0.6 for green Q ≥ 0.4 for blue	≤ 80 % of standard requirements. if standard requires testing	/
Ocular without filtering action	see welding protection filters	≤ 0.2 cd/m²/lx		≤ 80 % of standard requirements. if standard requires testing	/
Ocular with corrective effect	Optical class 1			≤ 80 % of standard requirements. if standard requires testing	/

Product	Refractive power	Diffusion of Light	Transmittance requirements	Resistance to UV radiation	Other
Cover plates	see welding protection filters	≤ 0.2 cd/m²/lx			/
Filter against laser radiation	see welding protection filters	≤ 0.2 cd/m²/lx		≤ 80 % of standard requirements. if standard requires testing	/
Goggle for motorcycle and moped users	spherical ≤ 0.09 dpt astig. ≤ 0.09 dpt prism. ≤ 0.5 cm/m B.o. prism. ≤ 0.12 cm/m B.i. prism. ≤ 0.15 cm/m vert	Sing. layer ≤ 0.5 cd/m²/lx Doub. layer ≤ 1.0 cd/m²/lx		≤ 80 % of standard requirements. if standard requires testing	– Resistance to surface damage by fine particles accord. DIN EN 166 for exterior side 5 cd/m²/lx
Frames for eye protectors	see relevant lens	See relevant lens	See relevant lens		/
Welding helmets	/	/	/	/	Hot penetration > 6 s

Further products and standards on request

Annex B.2 Additional requirements for DIN*plus* (according to EN ISO standars)

Product	Refractive power	Diffusion of Light	Transmittance requirements	Resistance to UV radiation	Other
Welding filter	spherical ≤ 0.06 dpt astig. ≤ 0.06 dpt Difference betw. spherical R ↔ L ≤ 0.09 dpt prism. ≤ 0.5 cm/m B.o. prism. ≤ 0.12 cm/m B.i. prism. ≤ 0.15 cm/m vert	≤SST9: ≤ 0.5 cd/m²/lx >SST9: ≤ 0.75 cd/m²/lx	UV/IR: ≤ 80 % of standard requirements	≤ 80 % of standard requirements. if standard requires testing	/
Automatic welding filter	see welding filter	≤ 1.0 cd/m²/lx	UV/IR: ≤ 80 % of standard requirements	≤ 80 % of standard requirements. if standard requires testing	– Switching time: Factor 3 faster – Angle dependence: at least class V2
Ultraviolet protective filter	see welding filter	≤ 2 %	UV: ≤ 80 % of standard requirements	Haze: ≤ 2 % ≤ 80 % of standard requirements. if standard requires testing	/
Infrared protective filter	see welding filter	≤ 2 %	IR Trans: ≤ 80 % of standard requirements	Haze: ≤ 2 % ≤ 80 % of standard requirements. if standard requires testing	/
Sunglare filters for occupational use	see welding filter	≤ 2 %	UV: ≤ 80 % of standard requirements Q ≥ 0.8 for red and yellow Q ≥ 0.6 for green Q ≥ 0.4 for blue	Haze: ≤ 2 % ≤ 80 % of standard requirements. if standard requires testing	/
Lens without deliberate filter action	see welding filters	≤ 2 %	/	Haze: ≤ 2 % ≤ 80 % of standard requirements. if standard requires testing	/
Prescription lenses	standard requirement	≤ 2 %	see particular requirement for the corresponding filter effect	Haze: ≤ 2 % ≤ 80 % of standard requirements. if standard requires testing	/
Cover plates	see welding filter	≤ 2 %	/	Haze: ≤ 2 % ≤ 80 % of standard requirements. if standard requires testing	/

Product	Refractive power	Diffusion of Light	Transmittance requirements	Resistance to UV radiation	Other
Filter against laser radiation	spherical ≤ 0.06 dpt astig. ≤ 0.06 dpt prism. ≤ 0.5 cm/m B.o. prism. ≤ 0.12 cm/m B.i. prism. ≤ 0.15 cm/m vert	≤ 0.2 cd/m²/lx	/	≤ 80 % of standard requirements. if standard requires testing	/
Goggle for motorcycle and moped users	spherical ≤ 0.09 dpt astig. ≤ 0.09 dpt prism. ≤ 0.5 cm/m B.o. prism. ≤ 0.12 cm/m B.i. prism. ≤ 0.15 cm/m vert	Sing. layer ≤ 0.5 cd/m²/lx Doub. layer ≤ 1.0 cd/m²/lx	/	≤ 80 % of standard requirements. if standard requires testing	– Resistance to surface damage by fine particles accord. DIN EN 166 for exterior side 5 cd/m²/lx
Frames for eye protectors	see relevant lens	see relevant lens	see relevant lens	/	/
Welding helmet	/	/	UV/IR: ≤ 80 % of standard requirements	/	Hot penetration > 8 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	OD measurements	Laser resistance test	Switching time -5° +55°	Homogeneity and angle dependence	Resistance to ignition	Hot penetration	Surface damage by fine particles
Welding filters		+		+	+								
Automatic welding filters				+					+	+			
UV protection filters	+	+	+	+	+								
Infrared filters	+	+	+	+									
Sunglare filters for industrial use	+			+									
Goggle for motorcycle and moped users	+	+	+	+									+
Oculars	+	+	+										
Cover plates	+	+	+										
Filter against laser radiation	+	+	+		+	+	+	+					
Welding helmets			+									+	
Frames according to DIN EN 166	+		+										
Frames according to DIN EN 207	+		+				+	+					
Mesh visors			+										

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 DIN*plus* mark

	Refraction powers , prismatic difference	Diffusion of Light / Haze	Mechanical strength	Transmittance requirements	Resistance to UV radiation	Temperature resistance	OD measurements	Laser resistance test	Switching time -5° +55°	Homogeneity and angle dependence	Resistance to ignition	Hot penetration	Surface damage by fine particles
Welding filters	+	+	+	+	+								
Automatic welding filters	+	+		+	+				+	+			
UV protection filters	+	+	+	+	+								
Infrared filters	+	+	+	+									
Sunglare filters for industrial use	+	+	+	+	+								
Goggle for motorcycle and moped users	+	+	+	+	+								+
Oculars	+	+	+		+								
Cover plates	+	+	+										
Filter against laser radiation	+	+	+		+	+	+	+					
Welding helmets			+									+	
Frames according to DIN EN 166	+		+										
Frames according to DIN EN 207	+		+				+	+					

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 the CE marking and test marks (quality marks) for PPE

Mark	CE	DIN Geprüft	DIN plus	
Name	**CE marking**	**DIN-Geprüft**	**DIN*plus***	**Certificate of conformity (CoC)**
Use	Legally required for products subject to PPE Regulation	Voluntary	Voluntary	Voluntary
Basic principle	DIN CERTCO issues an EU type-examination certificate confirming that the product complies with the PPE Regulation	Confirmation by DIN CERTCO that the product conforms to the relevant DIN standards.	Confirmation by DIN CERTCO that the product conforms to the relevant DIN standards and meets additional requirements.	Confirmation by DIN CERTCO that the product conforms to the relevant standards.
Legal basis	Regulation (EU) 2016/425, harmonized EN standards	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)	No	/	/	/
Product quality controls	No	Yes, after 2 years (partial testing is possible)	Yes, after 2 years (partial testing is possible)	/
Sampling for product quality controls	No	Yes, after 2 years (Sending from the customer)	Yes, after 2 years (Sending from the customer)	/
Validity of the certificate	Usually 5 years (extension is possible, for this at least partial testing, notification to notified body in the event of changes to the product)	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	DE and/or EN