



TCG65™ & TCG75™
Series Arc Flash
Hoods

Technical Documentation

According to standardized regulations
EN 166:2001, EN 170:2002 and
GS-ET-29:2019





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Object and General Requirements

0. Object

Type TCG65 and TCG75 hoods are designed to protect against thermal hazards associated with an electrical arc flash of 7kA (Class 2) to protect the user from UV radiation with enhanced capability of color recognition (scale number (2C-2)). PPE manufactured by Oberon Company, 375 Faunce Corner Road, Unit E, North Dartmouth, Massachusetts, USA in accordance with the general health and safety requirements specified in Annex II of The Regulation (EU) 2016/425 of the European Parliament and of the Council of March 9, 2016 on personal protective equipment and the specifications contained in standards EN 166:2001, EN 170:2002 and GS-ET-29:2019-06 as a category III PPE.

1. General Scope of Requirements

1.1 Design Principals

This PPE has been designed to protect the Face and portions of the Head of the user against thermal hazards associated with an electrical arc flash, UV radiation and against high-speed particles. This PPE is designed to be used with other similarly rated PPE that protects the remainder of the body.

The ergonomic design is intended for use by the wearer and affords protection during normal activities and conditions of use without exposing one to additional risk, except in the case of an individual’s oversensitivity to those conditions.

1.2 Declaration of Harmlessness

The materials and components of the PPE DO NOT adversely affect the wearer under normal conditions of use, nor do they produce known toxic or allergenic effects as they are made from commonly used materials.

All parts that are in contact with the wearer are free of roughness, sharp edges and/or protrusions that could cause harm, because they are made with patterns that fit the morphology of the human body.

Signed by Zac Twight
 VP Sales and Marketing
 Oberon Company

Signature: _____
 Date: _____

1.3 Comfort and Efficiency

The molding pattern ensures that it offers the greatest degree of comfort possible as expected of a visor designed to offer protection to the risks it is designed for. Its design allows correct fitting and ensures that it remains in place during use. Its use is compatible with other PPE worn by the user at the same time.

1.4 Manufacturer's Instructions and Information

It is provided with each PPE a specific information sheet relating the correct use and performance properties of its equipment (Annex II).

2. Complementary Requirements

The TCG65 and TCG75 hoods conform to the general design, adjustment, comfort, ageing, size and labelling requirements defined below.

2.1 Design and Systems of Adjustment

The design and systems of adjustment allow for full adaptability to the wearer as is shown in the following documentation:

- Description of PPE according to Annex I.
- Materials and components specifications according to Annex I.

2.2 Comfort

The elimination of perspiration on the face is achieved through natural airflow under the visor from open spaces at the bottom, sides and top of the visor.

2.3 Ageing

The equipment can retain its protective features unchanged over time. It has a useful life in compliance with the instructions included in the information sheet (Annex II).

2.4 Components Which Can Be Adjusted or Removed by the User

The TCG65 and TCG75 hoods are sold in one size and are used in conjunction with a hard cap for which the size is adjustable and thus fits a full range of human head sizes.

2.5 Identification Markings (ANNEX IV)

The PPE must have clear, legible and permanent marking with:

- Protection class.
- Identification of the manufacturer.
- Optical class.
- Symbol of mechanical strength.
- Short circuit electric arc fastness symbol.
- Symbol of resistance to high-speed particles (medium energy impact).
- Symbol of resistance to Surface Damage by Fine Particles.

2.6 Multi-Risk

The PPE is designed to protect against simultaneous risks of electric arc, UV radiation and/or impacts of high-speed particles.

3. Particular Complementary Requirements

3.1 Protection Against Mechanical Impact

The hood is designed to endure the impact of high-speed particles with medium energy impact (120 m/s).

3.2 Radiation Protection

The PPE is specific for UV protection in conformity with the Standard EN 170:2002.

4. Field of Application for GS-ET 29 Box Test

The aim of the experimental standard is to determine whether thermal protection against arc flash is achieved and does not include protection against the passage of an electrical current through the body.

5. General Requirements of GS-ET 29

The hood is sold in one size and is used in conjunction with a clip with a design compatible with a hard cap for which the size is adjustable and thus fits a full range of human head sizes.

5.1 Material of Visor

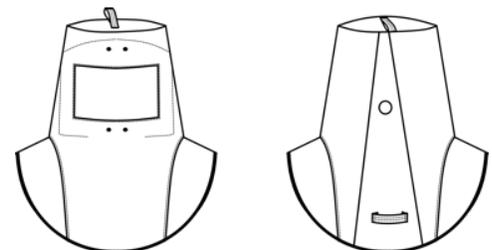
The Visor is molded from polycarbonate with a thickness of 2.6 mm.

5.2 Other Materials

- The fabric is woven from 99% Aramid and is 1% anti-static.
- The Hard Cap is molded from ABS or polycarbonate.
- Any other exterior material of PPE such as clothing, balaclava, gloves or boots must conform to the Class 2 test.

5.3 Design

The hood is designed in such a way that it does not influence or complicate the wearer's task. The hood may have accessories such as an attached light or ventilation system. Every part of the hood will be made of arc flash-proof material of the same characteristics as that generated in compliance testing for GS-ET 29 Box Test, Class 2 (7 kA).



6. Harmonized Standards Applied to the Design and Manufacturer of PPE

Requirements for GS-ET 29 (arc testing), once the electric arc has extinguished:

- The specimen after flame time must not be greater than 5 s.
- Melting through of the specimen must not be evident.
- Holes or perforations in the specimen must not be evident.
- The value pairs of all calorimetres on the test head must lie below the relevant values in Table 5 of GS-ET-29:2019-06.

In compliance with GS-ET 29 (arc testing), the following values were obtained:

- Material: Class-2 (7 kA).
- Arc flash standard requirements.
- Electrical resistance.

The TCG65 and TCG75 Hoods have been designed to meet the requirements standard EN 166:2001, EN 170:2002, and GS-ET-29:2019.

Tests have been performed according to EN 167:2001 and EN 168:2001, and GS-ET-29:2019. The report in which the test results can be found are 2021EC0169 and 2021EC6467.

7. Samples Presented

Samples are presented of type TCG65 and TCG75 Hoods.

8. Assessment of the Risk

What is the risk?	Origin/form of risks	What factors should we take into account from the point of view of safety for the choice/ use of PPE?
General actions	By contact: fire, explosions	Protection of the face and portions of the head worn with equally rated hard caps, balaclava, shirt, pants, gloves and boots
	Wear due to use	Resistance to scratching
Thermal hazards produced by electric arc	Electrical equipment malfunction, heat from an arc flash, exposed flame	Level of heat exposure from an arc flash, small splash of molten metal (copper, iron or aluminum) from an arc flash
Burns on the eyes	UV radiation	Select the correct filter for the related use. Do not look directly to the luminous source.

9. Control Methods

Model TCG65 and TCG75 hoods are subjected to the following control mechanisms as described in our ISO 9001 documentation:

- Raw materials control.
- Product control during the manufacturing process:
 - Molding department:
 - 100% visual inspection by operator at machine for defects.
 - Records daily production and defects.
 - Specific shields are scanned for their IR rating.
 - Daily performance sheet is used for each work order and reject parts are recorded daily.
 - Coating department:
 - During the coating process each shield is inspected after it has been coated and thermally cured.
 - 100% inspection.
 - Assembly & Packaging:
 - All shields are visually inspected prior to assembly of packaging.
 - 100% inspection of all shields.
 - 2% of the daily production are IR scanned.
- Final made-up product control by random sampling & under below process.

10. Information Sheet

The information sheet that accompanies every type TCG65 and TCG75 hood model is included in Annex II, will be written in the official language of the country of sale, and other translations may be included.

11. Essential Health and Safety Requirements Applicable to the PPE

ANNEX II Regulation 2016/425	Clauses of Standard EN 166:2001
1.1. Design principles	6.1, 6.2, 6.3
1.1.1. Ergonomics	6.3, 7.1.1
1.1.2. Levels and classes of protection	7.1, 7.2, 7.3
1.1.2.1. Optimum level of protection	7.1, 7.2, 7.3
1.2.1.2. Suitable constituent materials	6.2
1.2.1.2. Satisfactory surface condition of all PPE in contact with the user	6.1
1.2.1.3. Maximum permissible user impediment	6.3, 7.1.1
1.3. Comfort and effectiveness	6.3, 7.1.1
1.3.1. Adaptation of PPE to user morphology	6.3, 7.1.1
1.3.2. Lightness and strength	7.1.4, 7.2.2
1.4. Manufacturer's instructions and information	10
2.3. PPE for the face, eyes, and respiratory system	Every clause
2.4. PPE subject to ageing	7.1.5
2.9. PPE incorporating components which can be adjusted or removed by the user	6.3, 9.2.8
2.12. PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	9
2.14. Multi-risk PPE	Every clause
3.1. Protection against mechanical impact	7.1.4, 7.2.2
3.1.1. Impact caused by falling or ejected objects and collisions of parts of the body with an obstacle	7.1.4, 7.2.2
3.9. Radiation protection	7.2.1

ANNEX II Regulation 2016/425	Clauses of Standard EN 170:2002
1.1.1. Ergonomics	1, Annex B (EN 166:2001; 7.1.1)
1.1.2.1. Optimum level of protection	5
1.1.2.2. Classes of protection appropriate to different levels of risk	5, Annex B (EN 166:2001; 7.1.1)
1.2.1. Absence of inherent risks and other nuisance factors	1
1.2.1.1. Suitable constituent materials	1 (EN 166:2001; 6.2)
1.2.1.2. Satisfactory surface condition of all PPE in contact with the user	1 (EN 166:2001; 6.3)
1.2.1.3. Maximum permissible user impediment	1 (EN 166:2001; 6.3, 7.1.1)
1.3.2. Lightness and strength	1 (EN 166:2001; 7.1.4, 7.2.2, 7.3.4)
1.4. Manufacturer’s instructions and information	1 (EN 166:200; 10)
2.3. PPE for the face, eyes, and respiratory system	5.2
2.4. PPE subject to ageing	1 (EN 166:2001; 7.1.5)
2.12. PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	4
3.9.1. Non-ionizing radiation	5, Annex B

ANNEX II Regulation 2016/425	Clauses of Standard EN GS-ET 29:2019
1.1.2. Levels and classes of protection	4.1.1.1, 4.1.2, 4.1.3, 4.2.6
1.4. Manufacturer’s instructions and information	4.3, 4.4
2.4. PPE subject to ageing	4.2, 8.3
3.6.1. PPE constituent materials and other components	4

12. Marking

The TCG65 and TCG75 Hoods are clearly marked on the side of the face shield as well as on the back inside panel of the hood. Each label indicates what standards the component adheres to. The examples of each label are listed below.

12.1 Marking of Face Shield

- Where: Side of face shield
- 2C-2: Scale number for UV transmittance filter
- Identification of the manufacturer: OBC
- Optical class: 1
- Mechanical solidity symbol: B
- Resistance to surface deterioration: K
- Short-circuit electric arc fastness symbol: 8 (according to GS-ET-29:2019)
- Explanation of 2-2: Electric arc Class is 2 (according to GS-ET-29:2019-06)
- Light Transmittance Class 2: Additional lighting is required under normal working conditions. Please check your ability to detect color in the work environment before using this product according to GS-ET-29:2019-06, Rev. 01.
- Symbol as per IEC 60417-6353 (2016-02): Protection against the thermal effect of the electric arc.



12.2 CE Marking of Hood

- Where: Back inside panel bottom
- Identification of the manufacturer: OBC
- Number of standard: EN 166:2001
- Short-circuit electric arc fastness symbol: 8 (according to GS-ET-29:2019-06, Rev. 01)
- 2: Electric arc class is 2 (according to GS-ET-29:2019-06, Rev. 01)
- 2: This product is assigned to Light Transmittance Class 2 (LT Class 2). Additional lighting is required under normal working conditions. In any case, check your ability to detect color in the work environment before using this product according to GS-ET 29:2019-06, Rev.01.
- Symbol as per IEC 60417-6353 (2016-02): Protection against the thermal effect of the electric arc.



12.3 US Marking of Hood

- Where: Back inside panel top
- Number of standard: ASTM F1506: Standard Performance Specification for Flame Resistant and Electric Arc Rated Protective Clothing Worn by Workers Exposed to Flames and Electric Arcs.
- Number of standard: ASTM F1959: Standard Test Method for Determining the Arc Rating of Materials for Clothing.
- Number of standard: ASTM F2178: Standard Specification for Arc Rated Eye or Face Protective Products.

Signed by Zac Twilight
VP Sales and Marketing
Oberon Company

Signature: _____
Date: _____

Annex I Description of PPE

TCG65 and TCG75 Series Hood Product Data Sheet

Oberon Company’s innovative TCG65 and TCG75 Hoods feature a proprietary ultralight fabric technology that allows a maximum durability and protection while performing common electrical work tasks. It comes with the patented True Color Grey window which provides 100% true color acuity. This hood is dual certified in accordance with European and North American standards.

- Meets ASTM F2178, ANSI Z87.1, ANSI /ISEA 125 Level 2 Conformity and Arc Flash PPE Category 4 standards with an arc rating of 76 cal/cm². Please refer to NFPA 70E or CSA Z462 Standards for specific selection requirements. Also meets EN166:2001, EN170:2001 and Class 2.
- Window provides 100% true color acuity.
- Made from a durable ultralight Aramid fabric for maximum durability and protection.
- LED Light and Hood Ventilation System are available.

Name: TCG65 and TCG75 Series Hoods

Standards: ASTM F2178; ANSI Z87.1; ANSI 125 Level 2 Conformity; ASTM 1959; NFPA70E PPE Cat. 4; CSA Z462; ASTM 1506; EN 61482-2:2019 Class 2; EN166:2001; EN170:2002; GS-ET 29:2019 Class 2

Window Material: Polycarbonate

Fabric Material: 99% Aramid / 1% Anti-Static

Color: Black

Fabric Weight: 15 oz/yd²

ATPV: 76 cal/cm²

Customs Tariff No: 6203293000

EN Marking Example: See Figures A & B

With an Arc Thermal Protective Value (ATPV) at 76 cal/cm² these hoods are manufactured in accordance with NFPA 70E, Arc Flash PPE Cat. 4 incident energy analysis. The user must perform an incident energy analysis to determine the level of potential exposure. This task can be accomplished with the proper training and software. Professional assistance is available at www.arcflash.com.

***Warning: Do not store Hood in direct sunlight. Do not place hood next to a heat source. Do not use hood for electric arc welding exposures.**



Figure A. Shield Marking



Figure B. Hood Marking

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375 Faunce Corner Road, Unit E
North Dartmouth, MA 02747
USA



GS-ET 29:2019



Manufacturer’s Statement: This product has been manufactured following the requirements of Regulation (EU) 2016/425, for its basic use, according to the standard EN 166:2001: “Personal eye-protection. Specifications”, EN 170:2002: “Personal eye-protection. Ultraviolet filters. Transmittance requirements and recommended use” and GS-ET-29:2019-06: “Principles of testing and certification of face shields for electrical work as stated in certificate No TBD and AITEX, Plaza Emilio Sala No. 1, Alcoi, Spain, Notified Body 0161.

This Hood PPE is manufactured with a polycarbonate face shield surrounded by a woven Aramid outer material in black and an additional quilted layer in yellow with a total nominal weight of 15 oz/yd².

Storage Instructions:

Each eyepiece is packed in a bag that protects it from dust and moisture. Replace in the protective bag when not in use. Store between -0 and 30°C, with a humidity lower than 60%.

Use Instructions:

To properly don the hood, place hood over head and adjust the suspension system of the helmet to create a snug fit. Make sure the hood flaps are laying flat over the shoulders.

Cleaning and Disinfecting Recommendations:

The first step to cleaning and disinfecting an Oberon TCG™ hood is to [disassemble your hood](#). Once done, if the shield has dirt or grit, flush it off with room temperature tap water. The next step to disinfecting a TCG™ hood window is to take a soft cloth with isopropyl alcohol or use a Lysol® wipe and gently clean both sides of the shield. This process may leave streaks as the surface dries. Once dry, use a soft clean cloth and lightly wipe off any streaks or film left on the shield from impurities in the wipes.

Maintenance and Revision Instructions:

To protect the eyepiece, it should be cleaned after use and stored in accordance with the storage instructions. Check before use that the eyepiece has not been scratched and that the frame does not show cracks.

Packaging:

From the minimum unit of sale: each Hood is supplied individually in a bag that includes the brochure.

Applicable Field of Use to this PPE:

This PPE is intended to protect against eye and face protection in activities where protection against the following risk/risks is/are required according to its design:

- Heat hazards experienced by a wearer at a distance of 300 mm from an arc flash produced by a current of 7kA between 2 electrodes spaced 30 mm apart.
- For full-body protection, the PPE must be worn fully fastened and accompanied by other appropriate protective gear such as a coat and bib, gloves and boots that protect from the same risks as that of the hood PPE.
- The environmental conditions and/or risks associated with the operator’s surroundings must be considered.
- For correct performance, the garment must be correctly adjusted.
- This PPE protects the wearer in medium-risk situations in low visibility in natural light.
- Additional lighting can be added to improve visibility as needed.

Limitations of Use:

- This PPE must not be used against risks other than those previously described.
- This hood PPE is designed to protect the head and must be worn with a coat and bib to protect the body along with gloves and boots to protect the hands and feet.
- Dirt and molten metal adhering to the garment may affect its performance.
- Never remove the PPE when in an explosive or flammable environment or when handling explosive or flammable material.
- An increase in oxygen content in the air may considerably reduce the level of protection offered by the PPE.
- The electrical insulation capability of the PPE may be seriously affected by dampness, dirt, or when soaked with perspiration.
- The user must not repair any tears, but instead all repairs must be done by the original manufacturer or its approved agent. A flammable yarn or one which can melt, used for repair, may be extremely dangerous in the case of explosion or fire.
- Clothing made of polyamide, polyester, or acrylic fibers, such as t-shirts and underwear, must not be worn under the PPE as they may melt in an arc flash.

Rest of Standards Can Be Found At:

<https://www.en.une.org/encuentra-tu-norma/busca-tu-norma>

Assembly Instructions:

No Assembly required.

Appropriate Accessories and Spare Parts of This PPE:

PPE can be used with an Oberon Hood ventilation system or hood light.

The useful life will also depend on the use of PPE, maintenance, storage, etc. Under normal conditions the PPE has a useful life of 3 years.

Year of production: 2021

Access to the Declaration of Conformity:

<https://oberoncompany.com/wp-content/uploads/2021/06/EU-Declaration-of-Conformity-for-Arc-Flash-PPE-V2.2.pdf>

Detailed information related to safety helmets that may be used in conjunction with the electrician face shield:

- Electrician’s helmet (e.g. In accordance with DIN EN 50365)
- Minimum and maximum distances from the filter to the forehead (inner surface of the helmet sweatband) or the helmet type designation.

Performance or benefits and levels or classes of protection offered by PPE intended for eye and face protection:

Optical class			1	2	3
Spherical refractive power (m ⁻¹)			±0.06	±0.12	±0.12
Astigmatic refractive power (m ⁻¹)			0.06	0.12	0.25
Difference of prismatic refractive powers (cm/dm)	Horizontal	External base	0.75	1.00	1.00
		Inner base	0.25	0.25	0.25
	Vertical		0.25	0.25	0.25

Mechanical strength and its symbols	
Symbol	Requirement relative to increased strength
Without symbol	Minimum robustness (22mm steel ball; strength of 100±2 N)
S	Increased strength (22mm steel ball at 5.1 m/s)
F	Low energy impact (6mm steel ball at 45 m/s)
B	Medium energy impact (6mm steel ball at 120 m/s)
A	High energy impact (6mm steel ball at 190 m/s)

Class of protection: Characteristics of transmittance of a filter against optical radiation	
Filter denomination	Numerical code
Welding filter	1,2 al 16
Ultraviolet filter (it can modify the recognition of colors)	2-1,2 al 2-1,5
Ultraviolet filter (allows a Good recognition of colors)	2C-1,2 al 2C-1,5
Infrared filter	4-1,2 al 4-10
Sunglare filter without specification for the infrared	5-1,1 al 5-4,1
Sunglare filter with specification for the infrared	6-1,1 al 6-4,1

Symbol	Type of protection	Descripción del campo de uso
Without symbol	Basic use	Non-specific mechanical risks and risks due to ultraviolet, infrared, solar and visible radiation
3	Liquids	Liquids (drops or splashes)
4	Coarse dust particles	Dust with particle thickness> 5 µm
5	Fine dust and gases.	Gas, vapors, sprays, smoke and dust with particle thickness <5 µm
8	Short circuit electric arc	Electric arc caused by short circuit in electrical equipment
9	Molten metal and hot solids	Splashes of molten metal and penetration of hot solids

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USA



GS-ET 29:2019



Marking and Performance Recorded in Technical Tests Applicable to This PPE:

Face Shield Marking:

2C-2 OBC 2 S CE 0161
 GS-ET-29:2019



Where: Side of face shield
Protection class: 2C-2
Identification of the manufacturer: OBC
Optical class: 1
Mechanical solidity symbol: B
Resistance to surface deterioration: K
Short-circuit electric arc fastness symbol: 8 (according to GS-ET-29:2019-06, Rev. 01)
Electric Arc Class 2 (according to GS-ET-29:2019-06, Rev. 01)
Light Transmittance Class 2

Symbol as per IEC 60417-6353 (2016-02) – Protection against the thermal effect of the electric arc.

Light Transmittance Class 2: This product is assigned to Light Transmittance Class 2 (LT Class 2). Additional lighting is required under normal working conditions. In any case, check your ability to detect color in the work environment before using this product (according to GS-ET-29:2019-06, Rev. 01).

Scope of GS-ET-29:2019-06, Rev.01:

This standard applies to electrician face shields worn when working where a risk of electric arcing exists. Its principles of testing do not apply to electrician face shields that cover all areas of the head and the entire neck (360° coverage).

Hood Marking:

OBC EN 166:2001 CE 0161
 GS-ET-29:2019
 ASTM F1506
 ASTM F2178
 ASTM F1959



Where: Back inside panel
Identification of the manufacturer: OBC
Number of standard: EN 166:2001
Short-circuit electric arc fastness symbol: 8 (according to GS-ET-29:2019-06, Rev. 01)
Explanation of 2-2: Electric Arc Class is 2 according to GS-ET-29:2019-06, Rev. 01.
Light Transmittance Class 2
 Symbol as per IEC 60417-6353 (2016-02) – Protection against the thermal effect of the electric arc.
Number of standard: ASTM F1506: Standard Performance Specification for Flame Resistant and Electric Arc Rated Protective Clothing Worn by Workers Exposed to Flames and Electric Arcs.
Number of standard: ASTM F1959: Standard Test Method for Determining the Arc rating of Materials for Clothing.
Number of standard: ASTM F2178: Standard Specification for Arc Rated Eye or Face Protective Products.

Warnings:

Artificial lighting can interfere with the tint of the face shield and impair color perception, especially when using fluorescent or LED lamps as illuminants. It must be ensured that all cable codes used at the workplace can be safely distinguished under actual lighting conditions.

Check your color perception prior to starting work by performing the following steps:

1. Gather a sampling of cable pieces having the same color coding as the cables used at your workplace.
2. Ensure that you are in a safe location, but with the same lighting (type and intensity) as anticipated at your workplace.
3. Clean the face shield and check it for damage (do not hesitate to replace the face shield if necessary - refer to the User information).
4. Don the face shield as described in the User information.
5. Quickly sort through the bundled cable samples.

If you have difficulty distinguishing between the various cable codes or are mistaken in sorting them, then the lighting is insufficient and/or the face shield is too dark. This could cause an accident at work, such as electric fault arcing.

- Materials in contact with the user's skin can cause allergies in sensitive people.
- Replace if there is any deterioration in the PPE.
- User should replace scratched or damaged eyepieces.
- High speed particle protectors, used over normal corrective glasses, can transmit the impacts creating a possible risk for the user.
- If the symbols F, B and A are not the same for the eyepiece and the frame, the one assigned to the complete protector must be the lower level of the two.
- For a face shield to comply with the field of use of symbol 8, it will be mounted with a filter of protection class 2-1.2 or 3-1.2 of at least 1.4 mm thickness.
- Is mandatory according to EN 166: If protection against high-speed particles at extremes of temperature is required then the selected eye-protector should be marked with the letter T immediately after the impact letter, i.e. FT, BT or AT. If the impact letter is not followed by the letter T then the eye protector shall only be used against high-speed particles at room temperature.

GS-ET-29:2019-06 can be found at:

<https://www.bgetem.de/arbeitsicherheit-gesundheitsschutz/pruefen-zertifizieren/pruef-und-zertifizierungsstelle-elektrotechnik/pruefgrundsaeetze/GS-ET-29E/view>

Rest of standards can be found at:

<https://www.en.une.org/encuentra-tu-norma/busca-tu-norma>

Annex III Photos of TCG65 and TCG75 Hoods



Annex IV TCG65 Hood and Shield Labels

OBERON TCG65™ Electrical Arc Flash Hood

For electric arc exposures, perform an electric arc hazard assessment and wear the properly rated flame resistant clothing

Use this hood with proper respiratory protection (if required)
Use this **Hood** with suitably arc rated **Coverall** or **Coat & Pants/Bib-Overall**

Meets ASTM F1506, NFPA 70E & CSA Z462,
ANSI/ISEA 125 Conformity Level 2

Arc Rating **76** cal/cm² (ATPV)

Hood tested in accordance with ASTM F2178
Fabric System tested in accordance with ASTM F1959

99% Aramid, 1% Anti-static

Caution
Flammable contaminants will reduce the thermal performance of any flame resistant garment. Wash garment to ensure that no greases, oily soils or other flammable contaminants are present when garment is worn. Repairs to the garment must be made with the same thread and fabric.

Do not reuse this product after an arc exposure

Washing Instructions



Window: Remove window from Hood shell. Rinse window with warm water. Tap dry inner surface w/soft cloth.
DO NOT USE cleaners or disinfectants on inner surface!

Fabric: WASH – Wash this garment separately from other types of garments or fabrics. Use warm water & mild detergent. DO not use detergents or additives containing (or creating) chlorine bleach or oxygen bleach (example: Hydrogen Peroxide) or enzymes. Do not use soap or fabric softeners. Do not wring dry.
DRY – Tumble dry low heat and remove immediately. Do not iron. Garment can be dry cleaned. Do not use disinfectants

Important Warning
This product does not provide insulation from electric shock. This product, when properly selected and worn, is designed to provide protection from burn injuries resulting from an electrical arc flash in accordance with ASTM F1506 & NFPA 70E. It is important to note that this product will provide limited or no protection against sound, pressure, projectiles and respiratory hazards which may result from an arc incident.
Face protective products which are effective against the arc flash hazard can reduce visibility. NFPA 70E calls for the use of additional lighting if work conditions require.

Remember
Always perform a hazard analysis to determine the potential arc hazard energy level. Only use PPE with an arc rating (ATPV or EBT) that is equal to or greater than your potential arc hazard level.

CAT III **CE** 0161 Arc Flash PPE Level 4/Class 2 Protective Shield
EN 166:2001; EN 170::2002; GS-ET-29:2019
OBERON COMPANY
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TCG65-C


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R21-29

Figure C. Hood Label

CAT III **CE** 0161 Arc Flash PPE Level 4/Class 2 Protective Shield
EN 166:2001; EN 170::2002; GS-ET-29:2019
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2C-2 OBC 1 B 8-2-2 K CE 0161
Annex II Regulation (EU) 2016/425
Caution Read Instructions Before Use

Figure D. Shield Label

Annex IV TCG75 Hood and Shield Labels

OBERON TCG75™ Electrical Arc Flash Hood

For electric arc exposures, perform an electric arc hazard assessment and wear the properly rated flame resistant clothing

Use this hood with proper respiratory protection (if required)
Use this Hood with suitably arc rated **Coverall** or **Coat & Pants/Bib-Overall**

Meets ASTM F1506, NFPA 70E & CSA Z462,
ANSI/ISEA 125 Conformity Level 2

Arc Rating **76** cal/cm² (ATPV)

Hood tested in accordance with ASTM F2178
Fabric System tested in accordance with ASTM F1959

99% Aramid, 1% Anti-static

Caution
Flammable contaminants will reduce the thermal performance of any flame resistant garment. Wash garment to ensure that no greases, oily soils or other flammable contaminants are present when garment is worn. Repairs to the garment must be made with the same thread and fabric.

Do not reuse this product after an arc exposure

Washing Instructions

Window: Remove window from Hood shell. Rinse window with warm water. Tap dry inner surface w/soft cloth.
DO NOT USE cleaners or disinfectants on inner surface!

Fabric: WASH – Wash this garment separately from other types of garments or fabrics. Use warm water & mild detergent. DO not use detergents or additives containing (or creating) chlorine bleach or oxygen bleach (example: Hydrogen Peroxide) or enzymes. Do not use soap or fabric softeners. Do not wring dry.
DRY – Tumble dry low heat and remove immediately. Do not iron. Garment can be dry cleaned. Do not use disinfectants

Important Warning
This product does not provide insulation from electric shock. This product, when properly selected and worn, is designed to provide protection from burn injuries resulting from an electrical arc flash in accordance with ASTM F1506 & NFPA 70E. It is important to note that this product will provide limited or no protection against sound, pressure, projectiles and respiratory hazards which may result from an arc incident.
Face protective products which are effective against the arc flash hazard can reduce visibility. NFPA 70E calls for the use of additional lighting if work conditions require.

Remember
Always perform a hazard analysis to determine the potential arc hazard energy level. Only use PPE with an arc rating (ATPV or EBT) that is equal to or greater than your potential arc hazard level.

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Figure F. Shield Label

Figure E. Hood Label



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