



Face Visor Technical Specifications

Selected by Professionals



EU Type Examination Certificate

This is to certify that:

Holds Certificate Number: CE 727825

In respect of:

**Models PG Visors Standard and Premium Protective Eyewear
To technical specification to Annex II (EHSR) of the PPE Regulation (EU) 2016/425
PPE for use by healthcare professionals as per Commission recommendation 2020/403**

on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 0086):

Chris Lewis - Certification Director, Product Certification

First Issued: 2020-04-07
Latest Issue: 2020-04-07

Effective Date: 2020-04-07
Expiry Date: 2021-04-07

EU Type Examination Certificate

No. CE 727825

Product Specification

Product Name: Face Visor

Product Type: Eye protection for use by healthcare professionals

Models: PG_Visor-Standard
PG_Visor-Premium

Technical Specification: Technical Specification to satisfy Annex II of the PPE Regulation (EU) 2016/425

Product Description: The eye and face protector listed on this certificate is for use by healthcare workers, first responders and other personnel involved in the efforts to contain the COVID-19 virus and avoid its further spread.

This face visor is made of hi-visibility polyester sheet which is attached to either the Premium VE21 foam head band, or Standard strap.

The product covered by this certificate is not approved for industrial applications and the certificate is only valid as long as EU Commission recommendation sheet 2020/403 remains applicable.

Product Assessments: BSI 2020/403 Eye Protection Technical Specification

First Issued: 2020-04-07
Latest Issue: 2020-04-07

Effective Date: 2020-04-07
Expiry Date: 2021-04-07

EU Type Examination Certificate

No. CE 727825

Certificate Administration Details

Technical File Reference: Technical File P

Certificate Amendment Record:

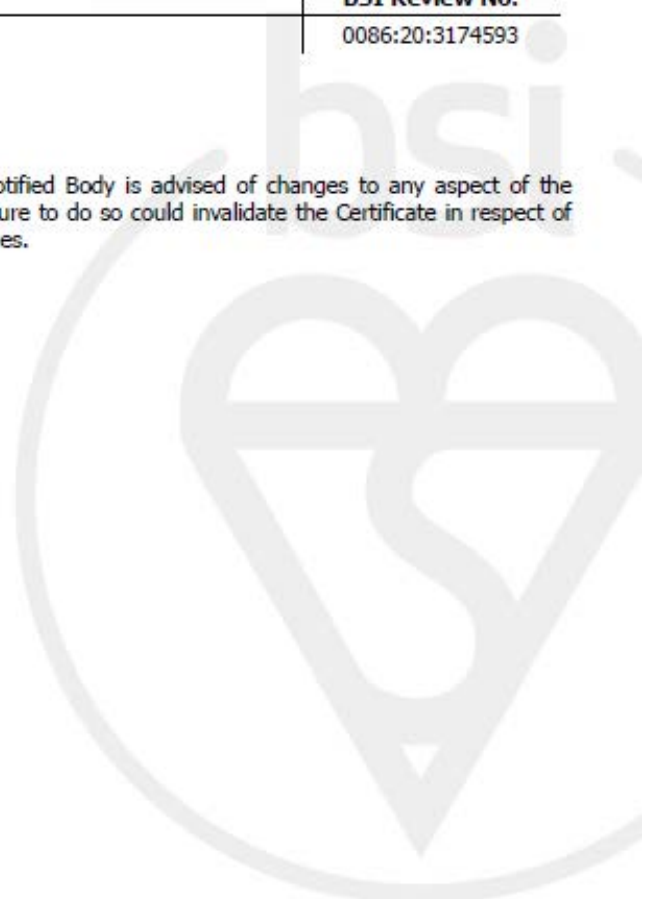
Issue date	Comments	BSI Review No.
April 2020	First issue.	0086:20:3174593

Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall process utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

First Issued: 2020-04-07
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Expiry Date: 2021-04-07




Introduction.

This report has been prepared by S. Macdonnell and relates to the activity detailed below:

Job/Registration Details	Client Details
Job number: 3174590 Job type: Testing Samples Submitted Start Date: 6 April 2020 Test type: Limited Sample ID: 10189432 Registration: CE 727825 Scheme: PPE Regulation and EU recommendation 2020/403 Protocol: PP123 Scheme Mgr: Nathan Shipley	

The report has been approved for issue by M Mayo – Testing Team Manager

Approved For Issue	
	Issue Date: 7 April 2020

Objectives.

This is limited testing to only certain clauses or sub-clauses of the standard but these have been followed in full, as defined. This technical specification is applied to safety eyewear for use by healthcare workers, first responders and other personnel involved in the efforts to contain the COVID-19 virus and avoid its further spread and in relation to the EU Commission recommendation sheet 2020/403.

Product Scope.

Standard face shield

Report Summary.

The samples were received on 3 April 2020 and the testing was started on 6 April 2020. The samples submitted complied with the limited requirements of the test work conducted.

Test Samples.

Sample Id	ER Number	Description
1	10189432	6 x Standard face shield

Test Requirements.

BS EN 166:2002 + Results Table - Personal Eye Protection

Clause	Requirements	
6	Design and Manufacturing Requirements	
6.1	General construction Eye-protectors shall be free from projections, sharp edges or other defects which are likely to cause discomfort or injury during use.	Pass
6.2	Materials No parts of the eye-protector which are in contact with the wearer shall be made of materials which are known to cause any skin irritation. Note:- Manufacturer's responsibility to use materials not known to cause skin irritation when in contact with the wearer of the eye-protector.	N/T
6.3	Headbands Headbands, when used as the principal means of retention, shall be at least 10 mm wide over any portion which may come into contact with the wearer's head. Headbands shall be adjustable or self-adjusting.	Pass
7	Basic, particular and optional requirements	
7.1	Basic requirements	
7.1.1	Field of vision The size of the field of vision is defined in conjunction with the appropriate head-form described in clause 17 of EN 168:2001.	Pass
7.1.2	Optical requirements	
7.1.2.1	Spherical, astigmatic and prismatic refractive powers	
7.1.2.1.1	Unmounted oculars covering one eye For non-corrective oculars testing shall be in accordance with clause 3.1 of EN 167:2001, and for corrective oculars in accordance with EN ISO 8980-3 . Not applicable to style of eye-protector.	N/A
7.1.2.1.2	Mounted oculars and unmounted oculars covering both eyes The refractive power characteristics of mounted oculars or unmounted oculars covering both eyes shall be measured by the method specified in clause 3.2 of EN 167:2001 at the visual centre of the ocular.	Pass

Clause	Requirements	
7.1.3	<p>Quality of material and surface</p> <p>Testing shall be in accordance with clause 5 of EN 167:2001.</p> <p>Except for a marginal area 5 mm wide, oculars shall be free from any significant defects likely to impair vision in use, such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation.</p>	Pass
7.2.4	<p>Protection against droplets and splashes of liquids</p> <p>Eye-protectors for use against droplets (goggles) and splashes of liquids (face-shields) shall be tested in accordance with the methods specified in clause 12 of EN 168:2001. The results shall be considered to be satisfactory if:</p> <p>a) no pink or crimson colouration appears in the ocular regions defined by the two circles when assessing goggles for protection against droplets. No account shall be taken of any such colouration up to a distance of 6 mm inside the edges of the eye-protector;</p> <p>Not applicable to style of eye-protector.</p> <p>b) face-shields cover the eye-region rectangle of the appropriate head-form as described in clause 10.2.2.2 of EN 168:2001 as assessed in accordance with 10.2 of EN 168:2001.</p> <p>Note:- Area of coverage for faceshields assessed using non-standard test equipment.</p>	<p>N/A</p> <p>Pass</p>
7.2.8	<p>Lateral Protection</p> <p>Testing shall be in accordance with clause 19 of EN 168:2001.</p>	Pass
Results table	<p>Actual test results</p> <p><i>See Table A - BS EN 166 2002</i></p>	

Supporting Data – Test Results

Table A - BS EN 166 2002

Test Results.

CLAUSE 7.1.2.1.2 OPTICAL REQUIREMENTS (Oculars Without Corrective Effect)

Mounted and unmounted oculars covering both eyes
Requirements

Optical Class	Spherical Refractive Power (1)	Astigmatic Refractive Power (1)	Difference in Prismatic Refractive Power (2)		
			Horizontal Base Out	Base In	Vertical
1	± 0.06	0.06	0.75	0.25	0.25
2	± 0.12	0.12	1.00	0.25	0.25
3	+ 0.12	0.25	1.00	0.25	0.25
	- 0.25	0.25	1.00	0.25	0.25

Measurements of Spherical and Astigmatic Power and Difference in Prismatic Refractive Power
Measurements made by the method specified in EN 167:2001 Clause 3.2

Sample Left (L) Right (R)		Spherical and Astigmatic Power (1)		Resultant Spherical (1) $\frac{D_1 + D_2}{2}$	Resultant Astigmatic (1) (D ₁ - D ₂)	Difference in Prismatic Refractive Power (2)		
		D ₁	D ₂			Horizontal Base	Power	Vertical Power
1	L	-0.01	0.0	-0.005	0.01	Out	0.15	0.0
	R	-0.02	-0.02	-0.02	0.0			
2	L	0.0	-0.01	-0.005	0.01	Out	0.10	0.0
	R	0.0	-0.01	-0.005	0.01			
3	L	-0.01	-0.01	-0.01	0.0	Out	0.10	0.0
	R	-0.01	-0.01	-0.01	0.0			

D₁ = horizontal bars readings D₂ = vertical bars readings

Optical Class: 1

(1) Dioptres per metre.

(2) Prism dioptres cm per metre.

Test Results (Continued).

7.2.4 Protection Against Droplets and Splashes of Liquid

Requirement (1)	
Eye protectors for use against droplets (goggles) and splashes of liquids (faceshields) shall be tested in accordance with the methods specified in Clause 12 of BS EN 168:2001	Pass

(1) Area of coverage for faceshields assessed using non- standard test equipment.

7.2.8 Lateral Protection

Requirement	
Sample Nos: 4-6 (1) When assessed, the eye protector covered the lateral protection region on the headform in accordance with Clause 19 of EN 168:2001.	Pass

(1) Adjusted by BSI as required to provide best fit on headform.

Photograph of model submitted:





Strap

Priplak 300mic backlit polypropylene.

700x42mm strap is cut and formed with slots and tab for adjustment. Strap is attached to the visor using 2x double sided pads in the marked locations.

Visor

175mic Polyester

Hi Clarity 175mic.
Melinex polyester.

Self-Adhesive pads

RGH1310 Double sided white polyethylene foam pad.

2 x high tack, high sheer, rubber adhesive foam pads are applied to the marked locations of both the visor and the strap to secure the visor to the strap.

Bag

Polythene 30mic food safe bag

Finished visor is placed in a 300x450mm, 30mic clear Polythene bag and sealed with 1x instruction / product label.

STANDARD PPE VISOR- PG_Visor-Standard

USER INSTRUCTION: This protective Visor is manufactured for COVID-19 protection only. This protective Visor is not a PPE device for general use and shall not be used for purposes other than protection against COVID-19. This visor should not be worn for more than one shift as per Regulation & Technical Specification: BSI's PPE for Healthcare Professionals 2020/403 – Eye protection Technical Specification

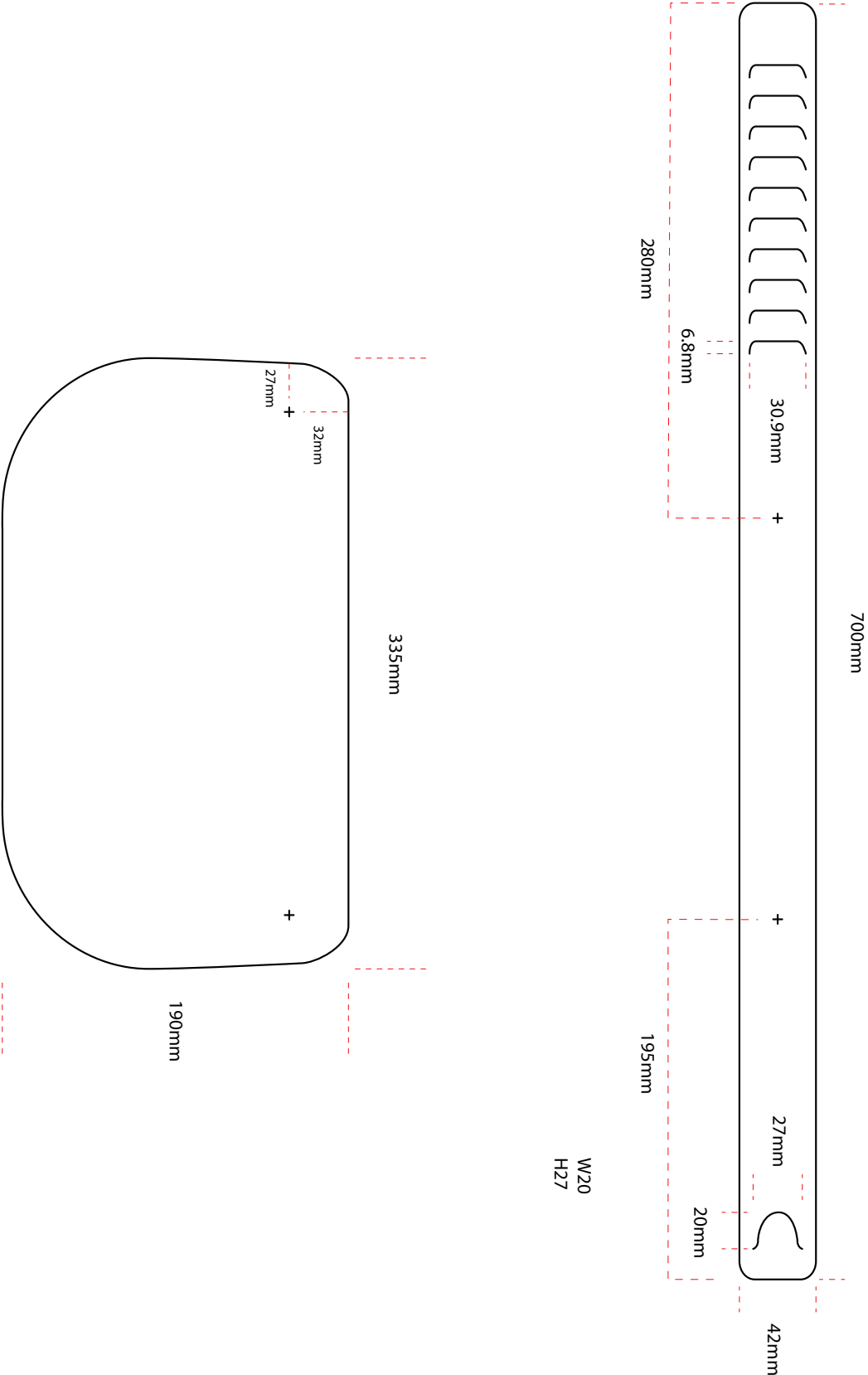


BSI's PPE for Healthcare Professionals 2020/403
–Eye protection Technical Specification
Notified Body Number: 0086 BSI Assurance UK Ltd,
Kitemark Court, Davy Avenue Knowlhill, Milton
Keynes, MK5 8PP. Country: UK



PREMIUM & STANDARD
PPE VISOR- PG_Visor-Premium & Standard
BSI's. BSI's PPE for Healthcare Professionals
2020/403 –Eye protection Technical
Specification Notified Body Number: 0086 BSI
Assurance UK Ltd, Kitemark Court, Davy Avenue
Knowlhill, Milton Keynes, MK5 8PP. Country: UK

Face Shield design layout and dimensions.





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