



Certificate of Compliance

Herewith, ECS certifies that the product(s)

**CEPRO Impact Bronze CE
being a transparent welding screen for arc welding processes**

supplied by the company

**Cepro International B. V.
Parallelweg 38
5121 LD RIJEN
THE NETHERLANDS**

comply with the essential requirements for health and safety. The product meets the requirements for optical and physical properties, luminous transmittance, reflectance, ignition and mechanical strength as described in the relevant European and/or international standards as indicated below.

Standard / technical rules DIN EN 1598 : 2011

Test report 10451-ECS-14

Material and specifications Polycarbonate
 Thickness: 3 mm
 Luminous transmittance: 7%

Marking CEPRO CE 1598 + month + year of manufacturing

The validity of this certificate of compliance (CoC) may be compromised if the manufacturer changes the safety related properties of the product or if the Standard referred to is modified or updated.

As a recognised and authorised testing laboratory / facility, we hereby authorise the use of our name, address and the identification number 1883 of the notified body ECS in marketing and information material produced by the manufacturer.

ECS GmbH
Notified Body 1883
14/04/14

Dr. Bernhard Schmitz
ECS-Certification



ECS GmbH – European Certification Service
Augenschutz und Persönliche Schutzausrüstung
Laserschutz und Optische Messtechnik
Hüttfeldstraße 50
73430 Aalen, Germany

CEPRO IMPACT PLATE 3 MM



ECS GmbH – European Certification Service

Compliance of Conformity

Herewith, ECS certifies that the products

**Screens for arc welding processes
CEPRO Green Impact 3 mm**

supplied by the company

**Cepro International B.V.
Parallelweg 38
5121 LD RIJEN
THE NETHERLANDS**

comply with the essential requirements for luminous and spectral transmittance, radiation stability and mechanical strength as they are provided by the European standard EN 1598 : 1997 + A1 : 2001. This assessment is based on products which have been delivered by the manufacturer / importer, on the technical documentation as well as on the test report.

Standard / technical rules DIN EN 1598 : 1997 + A1 : 2001
Annex II of the PPE-Directive 89/686/EEC


Test report 1076-ECS-09 part 1

Screen material Polycarbonate

Marking 1598 CEPRO Month / Year

The validity of this EC-type examination will expire, if the manufacturer modifies the safety-relevant properties of this product with comparison to the tested one or if the requirements in the standards or technical rules will be revised and/or tightened. Name, address and identification number 1883 of the notified body ECS can be indicated in the information brochure of this product.

ECS GmbH
Notified Body 1883
01/12/09


Dr. Bernhard Schmitz
ECS-Certification



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CEPRO IMPACT PLATE 3 MM



TECHNICAL DATA

Property	Unit	Value	Test Method
Physical			
Density	g/cm ³	1.23	ISO 1183
Water absorption, 23° C / saturation	%	10	ISO 62
Mechanical			
Tensile stress at yield 50 mm/min	MPa	60	ISO 527
Tensile modulus 1 mm/min	MPa	2300	ISO 527
Tensile elongation, yield	%	6	
break	%	80	
Flexural stress at yield 2 mm/min	MPa	90	ISO 178
Flexural modulus, 2 mm/min	MPa	2300	ISO 178
Impact			
Izod Impact, unnotched 23 °C	kJ/m ²	NB	ISO 180/4U
Izod Impact, unnotched -30 °C	kJ/m ²	NB	ISO 180/4U
Izod Impact, notched 23 °C	kJ/m ²	10	ISO 180/4A
Izod Impact, notched -30 °C	kJ/m ²	10	ISO 180/4A
Gardner impact 20 °C	J	>40	SABIC Method
-40 °C	J	>40	
Thermal			
Vicat Softening Temperature, rate B/120	°C	145	ISO 306
HDT/Ae, 1.8 MPa edgew. 120*1*04*04/sp=100	°C	127	ISO 75 /Be
Thermal conductivity	W/m°C	0.2	ISO 8302
Coeff. of Lin. Thermal expansion	1/°C	7.10 ⁻⁵	ASTM D696
Ball pressure test 125 ±2°C	-	Passes	IEC 335-1
Mold shrinkage	%	0.5-0.7	
Optical			
Light transmission, 3 mm	%	89	ASTM-D1003