



CEPRO ORANGE-CE DIN CERTIFICATE



CERTIFICATE

Certificate holder Cepro International BV
Parallelweg 38
5121 LD RIJEN
NETHERLANDS

Registration No. D2966CEPRO/R3

Product Transparant welding curtains, screens and strips

Type, Model CEPRO-Orange-CE, Sheet 1,0 mm

Testing basis DIN EN ISO 25980:2015-01
Certification Scheme Eye Protection: Category I-Products acc. to PPE-Directive and Non-PPE Products (2011-10)

Mark of conformity



Marking of the product Detailed marking see annex

Valid until 2020-09-12

Right of use This eye protection equipment meets the requirements of the eye protection certification scheme and the relevant standards.

Any previous versions of this certificate hereby cease to be valid.

Please see the annex for further information.



2015-07-07
Dipl.-Wi.-Ing. (FH) Sören Scholz
Head of Certification Body

S. Scholz





CEPRO GREEN-9 DIN CERTIFICATE



CERTIFICATE

Certificate holder	Cepro International BV Parallelweg 38 5121 LD RIJEN NETHERLANDS
Registration No.	D3596CEPRO/R2
Product	Transparent welding curtains, screens and strips
Type, Model	CEPRO-Green-9, Sheet, 1,00 mm
Testing basis	DIN EN 1598:2011-12 Certification Scheme Eye Protection: Category I-Products acc. to PPE-Directive and Non-PPE Products (2011-10)

Mark of conformity



Marking of the product Detailed marking see annex


Valid until 2019-07-04

Right of use This eye protection equipment meets the requirements of the eye protection certification scheme and the relevant standards.

Any previous versions of this certificate hereby cease to be valid.

Please see the annex for further information.



2014-10-27

Robert Zorn M.Sc.
Managing Director






CEPRO GREEN-6 DIN CERTIFICATE



CERTIFICATE

Certificate holder	Cepro International BV Parallelweg 38 5121 LD RIJEN NETHERLANDS
Registration No.	D2964CEPRO/R3
Product	Transparent welding curtains, screens and strips
Type, Model	CEPRO-Green-6, Sheet, 1,00 mm
Testing basis	DIN EN 1598:2011-12 Certification Scheme Eye Protection: Category I-Products acc. to PPE-Directive and Non-PPE Products (2011-10)
Mark of conformity	
Marking of the product	Detailed marking see annex
Valid until	2019-03-25
Right of use	This eye protection equipment meets the requirements of the eye protection certification scheme and the relevant standards. Any previous versions of this certificate hereby cease to be valid. Please see the annex for further information.



2014-10-27

Robert Zorn M.Sc.
Managing Director



DIN CERTCO Gesellschaft für Konformitätsbewertung mbH · Alboinstraße 56 · D-12103 Berlin · www.dincertco.de




CEPRO BRONZE-CE DIN CERTIFICATE

DIN CERTCO

Gesellschaft für Konformitätsbewertung mbH

CERTIFICATE

Certificate holder	Cepro International BV Parallelweg 38 5121 LD RIJEN NETHERLANDS
Registration No.	D3498CEPRO/R2
Product	Transparant welding curtains, screens and strips
Type, Model	CEPRO-Bronze-CE, Sheet, 1,00 mm
Testing basis	DIN EN 1598:2011-12 Certification Scheme Eye Protection: Category I-Products acc. to PPE-Directive and Non-PPE Products (2011-10)
Mark of conformity	
Marking of the product	Detailed marking see annex
Valid until	2019-03-25
Right of use	This eye protection equipment meets the requirements of the eye protection certification scheme and the relevant standards. Any previous versions of this certificate hereby cease to be valid. Please see the annex for further information.



2014-10-27

Robert Zorn M.Sc.
Managing Director



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CEPRO PVC WELDING SHEETS



1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product description	Cepro transparent flexible welding sheets / strips		
Manufacturer / Supplier	Cepro International BV P.O. Box 183 5120 AD Rijen The Netherlands	Date of issue	January 2015
	Tel. no. for information / emergency	+31 (0)161 22 64 72	
	Fax no. for information / emergency	+31 (0)161 22 49 73	
Chemical name and synonyms	Plasticized Polyvinyl Chloride film		
Chemical family	PVC resin, plasticizer, stabilizer, pigment		

2. HAZARDOUS IDENTIFICATION

Whilst this preparation contains hazardous ingredients harmful effects are unlikely in conditions of normal use. This mixture does not require a label in the form supplied.

Incorrect processing may lead to thermal decomposition which will evolve toxic and corrosive vapours.

This PVC preparation has been classified under EU Directive 1999/45/EC

Classification: Toxic to reproduction, Category 2; Mutagenic Category 3
Symbol: T, Xi
Risk phrases: R22, R36, R38, R48/25, R43, R53, R60, R61, R68
Safety phrases: S36/37/39, S53, S61

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Index No	W/W %	Hazard Symbol	Risk Phrase
Di-methylzinn Mercaptid	Cas No. 57583-35-4 EINECS-No 260-829-0	<=2%	Xi	R20, R21, R22
C14-C17 Chlorparaffin	Cas. No. 085535-85-9 EINECS-No 287-477-0	< 20%	N	R50, R53
Phenol, isopropyliert, Phosphat (3:1)	Cas. No. 68937-41-7 EINECS-No 219-703-0	< 15%	Xn, Carc, Cat 3	R62, R63
Triphenyl phosphat	Cas. No. 115-86-6 EINECS-No 204-112-2	< 2%	N	R50, R53

4. FIRST AID MEASURES

Inhalation	Inhalation of Noxious Fumes: Remove patient to fresh air, keep warm and at rest. Obtain immediate medical attention. Apply artificial respiration if breathing has ceased or shows signs of failing. Administer oxygen if necessary.
Skin Contact	Burns from Contact with Hot Melts: Cool the affected parts with clean cold water. Do not attempt to remove solidified plastic from the skin. Obtain immediate medical attention.

CEPRO PVC WELDING SHEETS



Eye Contact	Irrigate with eyewash solution or clean water holding the eyelids apart.
Ingestion	Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water. Obtain medical attention if ill effects occur.
Medical Information	Fully inform doctor or hospital of the nature of the product being handled.

5. FIRE FIGHTING MEASURES

Remove uninvolved people from the vicinity of the fire.

Extinguishing Media Dry powder, water mist, foam, carbon dioxide. Check for special circumstances. e.g. Live electrical equipment that may affect the choice of extinguisher.

Protective Equipment In major fire situations, toxic and corrosive vapours will be evolved and self contained breathing apparatus and acid resistant protective clothing should be worn.

6. ACCIDENTAL RELEASE MEASURES

Sweep or vacuum up. Store in a suitable closed container for disposal.

7. HANDLING AND STORAGE

Handling Solid granules can present a slipping hazard if spilled.

Processing Provide adequate ventilation.
Avoid inhalation of vapours from hot molten material.

Storage Store at room temperature in a dry, adequately ventilated area. Keep packaging closed if possible. Keep away from heat and sources of ignition.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal Protection Observe good industrial hygiene.
Wear suitable industrial protective clothing. Appropriate eye protection and gloves should be available whenever PVC preparations are being processed.

Exposure Controls When processing the material, provide good general ventilation and preferably local extraction near large areas of exposed molten material.

Decomposition Products

Triphenyl phosphat	STEL: UK EH40	6mg/m ³
	1997-01-01	
	TWA: UK EH40	3mg/m ³
	1997-01-01	

OES Hydrogen Chloride - STEL 5ppm; 7mg/m³ (15 mins. TWA).
OES Carbon Monoxide - STEL 300ppm; 330mg/m³ (15 mins. TWA).

OES = Occupational Exposure Standard.
STEL = Short Term Exposure Limit.
TWA = Time Weighted Average.

CEPRO PVC WELDING SHEETS



9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Granular solid, strips, sheets & films
Relative Density	>1,22
Odour	Slight characteristic.
Decomposition Temperature	Decomposition is dependent on both time and temperature but will occur increasingly rapidly if left standing above 150°C.
Solubility (Water)	Insoluble. See Product Data Sheet for further information on properties and processing

10. STABILITY AND REACTIVITY

General Information	If stored and handled in accordance with standard practice this product is unlikely to cause any harmful effects.
Hazardous Decomposition Products	Thermal decomposition will evolve corrosive vapours of Hydrogen Chloride and toxic vapours of Carbon Monoxide. Other organic decomposition products and metal oxides will be evolved but will not normally present an additional hazard.
Reactivity	PVC Preparations are relatively inert but contact with strong oxidising agents and concentrated acids above 60°C should be avoided. Avoid contact with acetal resins.

11. TOXICOLOGICAL INFORMATION

No toxic effects are anticipated under normal conditions of storage and use. See Sections 8 & 10 regarding toxic effects of decomposition products.

12. ECOLOGICAL INFORMATION

PVC preparations in fully gelled form are considered to be ecologically benign. They are not readily decomposed by weathering or by micro organisms.

Water Pollution Class in Germany, (Wassergefährdungsklasse), WGK= 0 (Self classification). Generally not water endangering.

13. DISPOSAL CONSIDERATIONS

If possible recycle otherwise disposal should be in accordance with local, state or national legislation. Bury in an authorised landfill site or incinerate under approved controlled conditions.

Waste is categorised as M1 07 02 13 under EU directive 2000/532/EC

14. TRANSPORT CONSIDERATIONS

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

This PVC preparation does not normally present a danger to human health by inhalation, ingestion or contact with the skin in the form in which it is supplied. Such preparations do not require a label under EU Directive 2008/1272/EC.



16. OTHER INFORMATION

For reference purposes: the Risk and Safety Phrases for ingredients in point 3 are:

Risk Phrases:

R20	Harmful by inhalation..
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R50/53	Very Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R63	Possible risks of harm to the unborn child.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

This Safety Data Sheet was prepared in accordance with EU Directive 2006/1907/EC.

The information contained in this Safety Data Sheet has been prepared in good faith by the Company and represents the Company's actual knowledge of the Product at the date of issue. The purpose of this information is solely to enable the User to take the necessary measures for the protection of health and safety at work. No warranty or guarantee is given or may be implied as to the properties, specifications or quality of the Product, or its use or application. (The User must satisfy itself as to the suitability or completeness of the information for its own use). It is the User's responsibility to observe national or local laws or regulations as to industrial safety; in no case can the Company accept any responsibility for the User's failure to observe such laws or regulations. Freedom from patent rights must not be assumed.

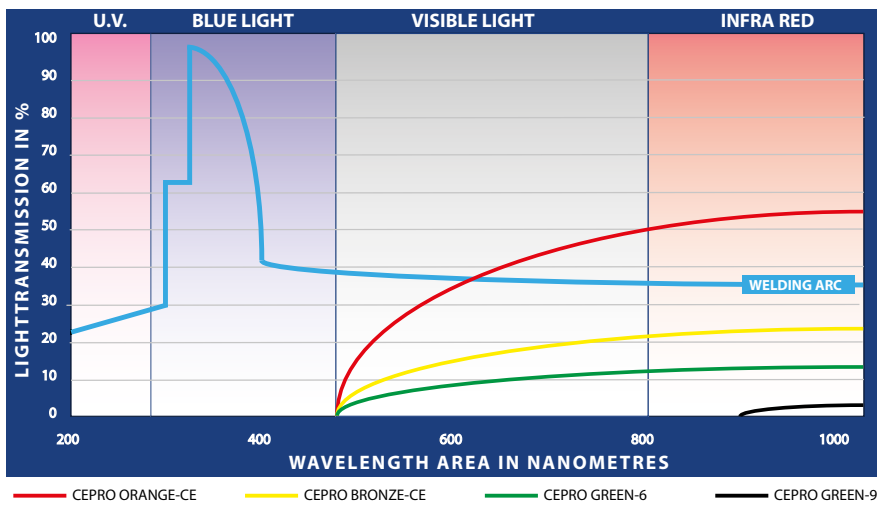
CEPRO PVC WELDING SHEETS



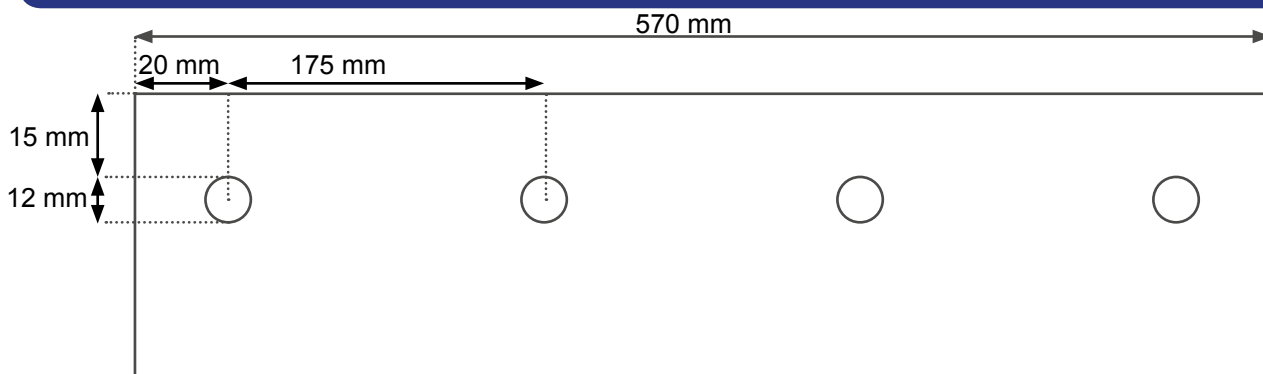
TECHNICAL SPECIFICATIONS

Properties	Unit	Value	Test Method
Density	g/cm	~ 1,22	DIN 53479 ISO 1183
Shore hardness A / 15 sec.		78	DIN 53505 ISO 868
Brittle point	°C	ca. - 35 °C	DIN 53372
Tensile strength	MPa	20	DIN 53455 ISO 527
Tensile stress	%	355	DIN 53455 ISO 527
Flame rating and Fire behavior		accord. DIN 1598 class B2 self-extinguishing	DIN 4102 DIN 53 382 DIN EN 1598
Protection against airborne noise	dB	~ 30	DIN 52 210

GRAPHIC WELDING ARC



CEPRO STANDARD HOLE PATTERN FOR SHEETS



CEPRO PVC WELDING SHEETS



STABILITY LIST

Stability test at 20°C :

1 = stable

2 = conditionally stable

3 = unstable

Contents	1	2	3	Contents	1	2	3	Contents	1	2	3
Acetaldehyde pure			X	Ethyl alcohol 10%	X			Oleic acid 100%			X
Acetaldehyde aqueous		X		Ethyl alcohol 96%	X			Oxalic acid	X		
Acetic acid 10%	X			Ethyl benzene 100%			X				
Acetic anhydride 100%			X	Ethyl hexanol 100%			X	Phenylhydrazine 100%			X
Acetone 100%			X					Phosphoric acid aqueous	X		
Alum of all kinds	X			Ferric chloride aqueous	X			Potassium bichromate aq.	X		
Aluminium acetata	X			Formaldehyde 10%	X			Potassium bromide aqueous	X		
Aluminium chloride	X			Formic acid 100%		X		Potassium chloride aqueous	X		
Aluminium hydroxide	X							Potassium hydroxide up to 50%		X	
Aluminium oxide	X			Gasoline			X	Potassium nitrate aqueous	X		
Aluminium sulfate	X			Gasoline benzene mixture			X				
Ammonia gaseous 100%	X			Glycerine aqueous	X			Sea water	X		
Ammonia aqueous	X			Glycerine pure	X			Sodium chloride aqueous	X		
Ammonium chloride	X			Glycol aqueous	X			Sodium hydroxide 25%		X	
Ammonium phosphate aq.	X			Glycol pure	x			Sodium hydroxide 50%		X	
Ammonium sulfite 10-40%	X							Sodium hydroxide aq. 10%	X		
Amyl alcohol 100%			X	Hydrochloric acid aq. 10%	X			Stearic acid 100%	X		
Anilin 100%			X	Hydrochloric acid aq. Conc.		X		Succinic acid 100%	X		
Anise oil 100%			X	Hydrofluosilicic acid 10%	X			Sulfuric acid 5%	X		
				Hydrogen peroxide 3%	X			Sulfuric acid 10%	X		
Barium sulfate	X			Hydrogen peroxide 10%	X			Sulfuric acid 95%			X
Benzaldehyde 100%			X	Hydroxylamine sulfate aq.	X						
Benzoic acid	X			Lactic acid 10%	X			Table salt aqueous	X		
Benzol 100%			X	Lactic acid 50%	X			Tartaric acid aqueous	X		
Bleaching caustic sol. 12,5%	X			Lactic acid 90%			X	Tetrachlorethylene 100%		X	
Borax aqueous	X							Tetrahydrofuran 100%		X	
Boric acid aqueous	X			Magnesium carbonate	X						
Bromine			X	Magnesium chloride	X			Urea aqueous	X		
Butanol 100%			X	Magnesium sulfate	X						
Butyl acetate 100%			X	Marlon WAS			X	Xylene 100%			X
				Marlophen 83 100%			X				
Calcium carbonate aqueous	X			Marlophen 89 5%			X	Zinc sulfate	X		
Calcium chloride	X			Marlophen 810 20%			X				
Calcium nitrate	X			Marlophen 820 5%	X						
Calcium sulfate aqueous	X			Marlophen 820 20%		X					
Carbon sulfide 100%		X		Methyl alcohol 100%			X				
Carbonic acid dry 100%	X			Methyl chloride 100%			X				
Carbonic acid umid	X										
Chloroform 100%	X			Nickel chloride aqueous	X						
Chrome alum	X			Nickel sulfate aqueous	X						
Citric acid	X			Nitric acid 6%	X						
Copper sulfate aqueous	X			Nitric acid 10%	X						
Cyclohexanon 100%			X	Nitric acid 20%		X					
				Nitric acid 65%		X					
Dextrine aqueous	X			Nitrobenzene 100%			X				
Dibutyl phtalat 100%			X								

* ordering special quality

- subject to modification -

Information:

Cepro soft polyvinyl chloride is extensively resistant to chemicals, the dielectrical properties are excellent. Our indications are based on our knowledge and on many years of experience in processing of plastics. We can, however, not furnish any general information on the stability of polyvinyl chloride. This is due to the different conditions during application of the material. We would therefore advise you in any case to implement aptitude tests with such filling materials, for which we have no experience of their behaviour.