SVAR CE SCS certified welding protection glass

Features

Our glass provides protection against harmful ultraviolet (UV-) and infrared (IR-) radiation.
The UV radiation causes chemical changes of the cornea on the retina. Already the UV radiation with a wavelength below 320 nm causes chemical changes in the cornea, the eye lens and on the retina. Radiation below 320 nm causes conjunctivitis, while long-wave UV radiation in the eye produces fluorescence that results in decreased visiual performance. In the range of 300 nm and shorter wavelengths, the UV radiation endangers the skin and kills bacteria. The most harmful UV radiation for people is in the range of wavelengths around 260 nm, because the UV radiation is absorbed by nucleonic acids in the cell nucleus. The cells die and neoplasms are formed. The UV radiation endangers the skin down to the depth of 0.6 mm, the eyelids and eye surface and then cell tissue swells. The IR radiation causes thermal changes in the cornea, in the eye lens and on the retina and it causes cataracts. Our SCS Welding Protective Glasses provide sufficient protection against the above mentioned harmful radiation and allow safe vision with 560 to 565 nm wavelengths in bright light, exactly within the limits of the maximum sensitivity of the human eye.

Uncoated SCS Welding Protection Glass is a blue-green flat glass with protection levels from 2 to 15 available.
Mirrored SCS welding protection glass has been additionally coated with a well-adhering metal layer and reflects the heat radiation, which would be absorbed by an uncoated SCS glass. Therefore the heating of the coated glass is lower. Color and transmission values are not changed by the mirroring. Quality product from the Czech Republic with „Made in European Union“ and 0196 CE DIN certification from CERTCO in Aalen / Germany.

Each SCS welding protection glass is marked with an identification mark. It includes the protection level, the manufacturer`s mark, the class of the dioptric effect (class 1) and the trade mark DIN, e.g. 10 SCS 1 DIN (10 protection level, SCS manufacturer mark SCS, 1 class of the dioptric effect, DIN mark DIN).

The right-angled panes are packed in acid-free paper or in plastic foil, depends on customer requirements. Each filter and each packet are provided with identification marks. Packaging in wrapping paper can be replaced by the packaging into small boxes. Round glasses and shaped glasses are packed in small boxes of 50 pieces.

Environments / Applications

SCS welding protection glass is used for light flame cutting, brazing and hard welding, MIG, MAG, TIG, plasma methods.
The mirrored glass additionally reflects part of the infrared radiation. It is mainly recommended when welding in closed cabins and / or when using extreme amperages. Which protection level is suitable for each method can be found at our separate data sheet.

Variants

Welding protection glasses are produced in round or rectangular versions in protection levels 2 to 15, mirrored in protection levels 5-15. Round glasses are available with diameters between 30-75 mm.
Delivery of molded glasses for different eyeglasses are also possible.
Standard dimensions are 105 x 50 mm, 108 x 51 mm, 110 x 60 mm, 110 x 90 mm, DIA 50 mm,
In addition, we can cut individual dimensions from panels up to 1.050 x 900 mm.
The protection levels 2 to 13 have the glass thickness of 2.7 +/-0.3 mm, protection levels 14 and 15 have the glass thickness 3.0 +/-0.3 mm.

Cleaning and care

The cleaning can be done with water, spirit and with commercial dishwashing liquids. The lifetime of the glass is limited by the breakage. To prevent contamination by flying metal drops during welding, the SCS welding protection glass can be protected with an additional cover glass. During the lifetime, protective properties remain unchanged.

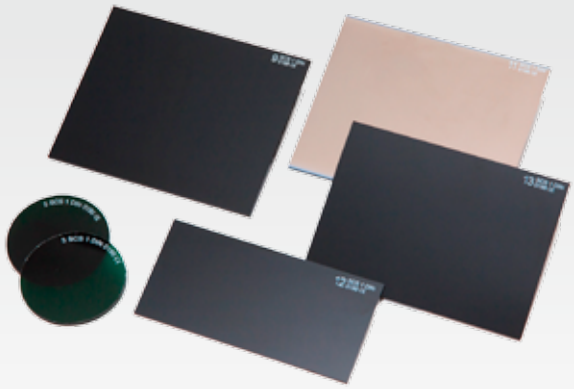
Schweißerschutzglas

welding protection glass

Pape Schweißprodukte GmbH

Autorisierte Werksvertretung für:

SEVEROSKLO (SCS)



Stromstärke in A / *Welding current in amps*	Arbeitsverfahren Lichtbogenschweissen und Schneiden // *Welding and cutting working methods*							
	Umhül. Elektr. *Coated electrodes*	MIG Stahl *MIG on heavy metals*	MIG leichte *MIG on heavy metals*	TIG leichte *MIG on all allows and metals*	MAG	Hochelektr. *ARC/AIR gougeng*	Schmelzschneiden *Fusion Cutting*	Plasmaschweissen *Plasma jet welding*
	EMPFOHLENE ANWENDUNG *RECOMMENDED CAPABLE OF USE OR PROTECTION FILTERS*							
0,5								5
1								6
2,5								7
5								8
10								9
15								10
20	8			8				
30	9			9				11
40	10			10				12
60	11	10	10	11	10		11	13
80		11	11	12	11			
100					12	10		14
125						11	12	
150	12	12	12	13	13	12		
175						13	13	
200			13			14		
225				14	14	15		15
250			14					
275	13	13						
200			15		15			
350								
400	14	14						
450								
500								

Bezeichnung

Jeder Schweißschutzfilter ist mit einem Identifikationszeichen, das die Schutzstufe, das Herstellerzeichen, die Klasse der dioptrischen Wirkung und die Schutzmarke DIN äußert, versehen. Einhaltung der präzisen Werte der Schutzeigenschaften unterliegt der Kontrolle der DIN CERTCO in Aalen

10 SCS 1 DIN

Schutzstufe

Herstellerzeichen

Klasse der dioptrischen Wirkung

Schutzmarke DIN

CE

Konformitätszeichen CE

Kontakt / *contact:*

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Schweißerschutzglas
Verspiegeltes Schweißerschutzglas

Welding protection glass
Coated welding protection glass

Pape Schweißprodukte GmbH

Langfristige Benutzung von Standardglas unter extremen Bedingungen kann zur Augenüberhitzung und Augengefährdung führen. Die Schutzeigenschaften der Gläser werden vom DIN CERTCO in Aalen (Deutschland) kontrolliert.

Schweißerschutzglas

Schutzstufe	Empfohlene Anwendung	Verbrauch in l/h	
		Gas	Leistung
2; 2,5; 3	Leichtes Brennschneiden		
4	Hartlöten und Hartschweißen Brennschneiden	Azetylen Sauerstoff	less 70 than 900
5	Hartlöten und Hartschweißen Brennschneiden	Azetylen Sauerstoff	70-300 900-2000
6	Hartlöten und Hartschweißen Brennschneiden	Azetylen Sauerstoff	200-800 2000-4000
7	Hartlöten und Hartschweißen Brennschneiden und Flammstrahlen	Azetylen Sauerstoff	über 800 4000-8000
8	Brennschneiden	Sauerstoff	über 8000

Welding protection glass

Shade number	Recommended capable of use	Consumption in l/h	
		Gas	Volume output
2; 2,5; 3	Slight flame cutting		
4	Welding an brazing flame cutting	Acetylene Oxygen	less 70 than 900
5	Welding an brazing flame cutting	Acetylene Oxygen	70-300 900-2000
6	Welding an brazing flame cutting	Acetylene Oxygen	200-800 2000-4000
7	Welding an brazing flame cutting and gassing	Acetylene Oxygen	over 800 4000-8000
8	Flame cutting	Oxygen	over 8000

Schweißerschutzglas und verspiegeltes Schweißerschutzglas/ welding protection glass/ coated welding protection glass - Größen/ Sizes

Lieferbare Größen: in Tafeln, individuellen Formaten oder in Standardformaten als Rundscheiben (z.B. 50 mm Durchmesser), Rechteckformate sizes available: in sheets, individual or standard sizes as round glasses (i.e. diameter 50 mm), rectangular		
110 x 90 mm	108 x 51 mm	105 x 50 mm
110 x 60 mm	110 x 55 mm	50 mm rund/ round

andere Abmessungen auf Anfrage/ *other dimensions on request*

Welding Glass with a vacuum coating of metallic oxides is perfectly connected with glass. The coating reflects thermal rays well. The product is suitable mainly for welding methods MIG-, MAG-, TIG or plasma welding.
The metal coating reflects thermal rays, which are otherwise absorbed by protective glass and welding glass is not heated.
Longthermal rays using of uncoated welding glass in extreme conditions makes danger of over heating of eye in top that is harmful. Suitability of application and protective properties are legalized by state testing laboratory in Aalen (Germany).

Verspiegeltes Schweißerschutzglas - empfohlene Anwendung

Verspiegeltes Schweißerschutzglas ist mit einer gut haftenden Metallschicht überzogen. Es ist empfehlenswert beim Schweißen mit extremer Stromstärke, beim Schweißen mit der MIG-, MAG-, TIG-Methode bzw. beim Plasmaschweißen. Die verspiegelte Oberfläche reflektiert die Wärmestrahlung, die sonst durch das Standardglas absorbiert wird.

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