



# SCREEN FLEX

VINYL FOR SAFETY

CURTAINS AND PARTITIONS

# WELDING IN COMPLETE SAFETY

Arc welding generates a high concentration of energy, together with physical hazards for the working environment of the welder.



## ✓ Hazards caused by light radiation

An electric arc emits significant amounts of ultraviolet, infrared and blue light radiation which can cause cicatrising conjunctivitis, erythema and other types of ocular lesion.

## ✓ The risk of fire and the risk of burns caused by weld spatter:

The welding arc generates weld spatter at temperatures which can exceed 1,500 °C.

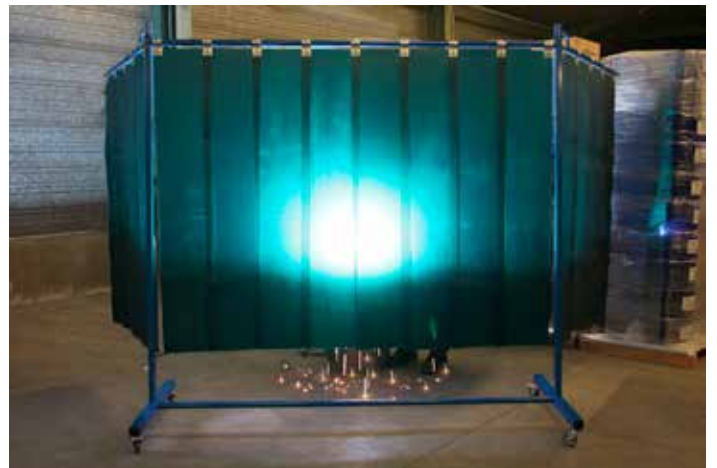
## THE SOLUTION : THE SCREENFLEX® FIREPROOF FILTERING SCREEN

The **SCREENFLEX®** screen provides protection for the working environment of the welder:

- ✓ It filters hazardous radiation from blue light, ultraviolet light and infrared light.
- ✓ It eliminates any hazard caused by weld spatter, as well as any risk of fire outside the working area.



Protection of property



Protection from personal injury

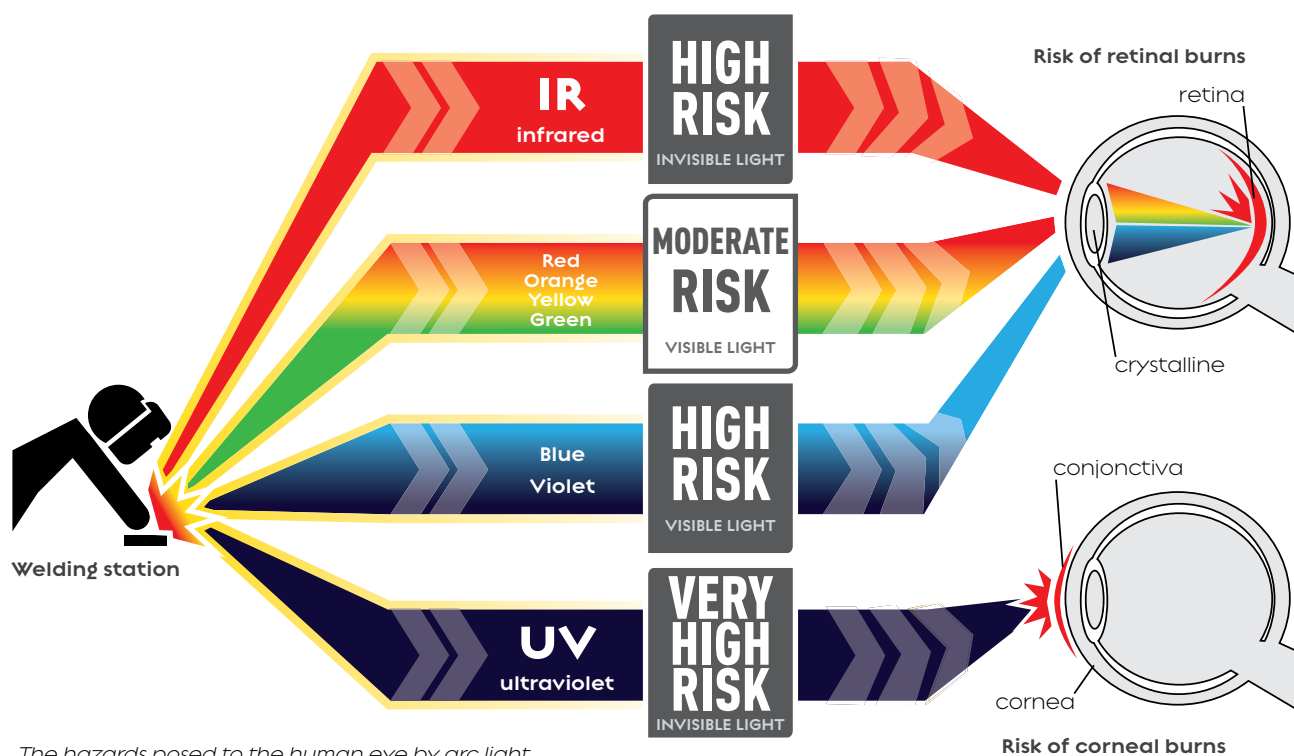
# THE INTERNATIONAL SAFETY STANDARD

Published in 2014, **ISO Standard 25980** is the result of international commitment to providing a definitive set of guidelines with regard to health and safety in the arc welding sector. The **ISO Standard 25980** combines the **EN1598** and **AWSF2.3M:2011**.

## AN EFFECTIVE SCREEN AGAINST RADIATION

Electric arc welding produces a very bright light consisting, in part, of ultraviolet and infrared radiation, together with a blue light which can cause serious and irreversible lesions of the eye.

The **SCREENFLEX®** protective screen absorbs hazardous radiation, regardless of whether it is visible, such as blue light, or invisible, such as infrared and ultraviolet radiation.



## THE OPTICAL REQUIREMENTS OF ISO 25980

- ✓ Reduction of excessive exposure to visible and infrared light (risk factor  $G < 1$ ).
- ✓ Suppression of at least 99.998% of UVB and UVC radiation.
- ✓ Less than 10% of the light reflected toward the welder.
- ✓ Less than 20% increase in transmittance during accelerated ageing tests.



Limit of incandescence:  
3 seconds after the flame is withdrawn.

## A FIREPROOF BARRIER AGAINST WELD SPATTER

The scattering of molten metallic particles (weld spatter) can attain temperatures in excess of 1,500 °C and this constitutes a real danger of burns or the outbreak of fire.

The **SCREENFLEX®** protective screen prevents the spread of weld spatter and safeguards the working environment of the welder.

# THE SCREENFLEX® PRODUCT RANGE

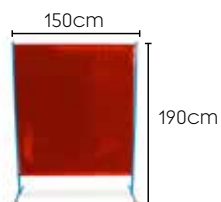
The SCREENFLEX® product range satisfies all the criteria defined by these industrial standards: ISO 25980 (International), EN1598 (Europe) and AWSF2.3M:2011 (USA).

4 COLOURS AVAILABLE →	 Red	 Light green	 Matt green	 Bronze
Transparency (supervision and safety)	****	**	*	***
Comfort for the outside observer	*	***	****	**
Protection from radiation	****	****	****	****

SCREENFLEX® screens are available in 4 colours for improved supervision and the protection of personnel outside the workstation.



ROLLS	
STANDARD DIMENSIONS*	200mm × 2mm × 50m
	300mm × 2mm × 50m
	570mm × 1mm × 50m
	1400mm × 0,4mm × 50m



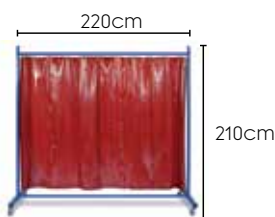
ECO KIT	
STANDARD DIMENSIONS*	1400mm × 0,4mm × 1500mm



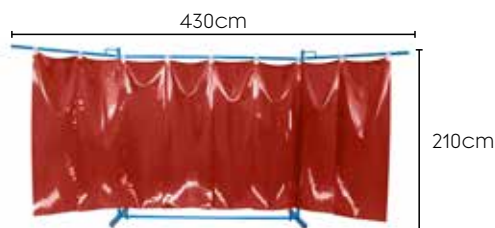
PRE-DRILLED STRIPS AND HOOKS	
STANDARD DIMENSIONS*	300mm × 2mm × 1600mm
	300mm × 2mm × 1800mm
	570mm × 1mm × 1600mm
	570mm × 1mm × 1800mm



WELDING CURTAINS AND HOOKS	
STANDARD DIMENSIONS*	1400mm × 0,4mm × 1400mm
	1400mm × 0,4mm × 1600mm
	1400mm × 0,4mm × 1800mm



PRO KIT	
STRIP VERSION (standard dimensions)	300mm × 2mm × 1600mm
	300mm × 2mm × 1800mm
	570mm × 1mm × 1600mm
	570mm × 1mm × 1800mm
CURTAIN VERSION (standard dimensions)	1400mm × 0,4mm × 1600mm
	1400mm × 0,4mm × 1800mm



TRIPTYCH KITMV	
STRIP VERSION (standard dimensions)	300mm × 2mm × 1600mm
	300mm × 2mm × 1800mm
	570mm × 1mm × 1600mm
	570mm × 1mm × 1800mm
CURTAIN VERSION (standard dimensions)	1400mm × 0,4mm × 1600mm
	1400mm × 0,4mm × 1800mm

\*Please contact us for details of other dimensions.

# APPLICATIONS

Industry, assembly line, workshop





[www.clearwayonline.co.uk](http://www.clearwayonline.co.uk)