

# TECHNICAL DATA SHEET

# CONTOUR FACE PROTECTION SYSTEM



## DESCRIPTION

The new Contour face protection system provides a wide range of protection levels for multiple applications and differing risks.

The Contour Carrier is designed to provide close fitting face protection and a low profile when retracted up over the helmet.

The Contour X screen (S800) is designed for general purpose impact protection.

The Contour XI is a multi purpose screen (S810) with integrated chin protection and anti scratch and anti fog coating for general purpose impact and Class 1 arc protection.

The Arc Class 2 face screens (S820, S830 and S840) utilise Paulson Arc technology.

The Contour XII Light-Green screen (S820) provides an effective Class 2 face protection solution.

The Contour XIII Clear-Grey HT (Highly Transparent) screen (S830) utilises the latest Arc technology; the clearest European Class 2 screen with the highest Visible Light Transmittance providing improved colour recognition, important for accuracy of cable identification and ideal in areas with poor visibility.

The Contour XIV Grey HT (Highly Transparent) screen (S840) is a higher calorie rated protective screen at 26cal/cm<sup>2</sup> according to NFPA 70E ASTM 2178 and also GS-ET-29 Class 2.

All the screens are connected to the Contour Carrier, enabling users to have the flexibility to switch screen types, depending on their application or risk.



## SPECIFICATION: CONTOUR FACE SCREEN CARRIER - HELMET COMPATIBILITY

Product Codes and Options	Code	Connection Clip	To fit Accessory Slot	For use with	Material	Weight
	S55	S585	Euro and Combi	Nexus and Concept (Combi and Euro slot) helmets	Nylon	139g

## SPECIFICATION: FACE SCREENS

Product Codes and Specification	Description	Code	Colour	Material	Screen Length (visible length when fitted)	For use with	Weight	Arc Visible Light Transmittance % and Class
	Contour X general purpose face screen	S800	Clear	Polycarbonate	200mm	Contour helmet mounted Carrier (S55)	180g	n/a
	Contour XI multi purpose (including Arc Class 1) face screen with integrated chin protection	S810	Clear	Polycarbonate Screen with anti scratch and anti fog coating	230mm		>90% Class 0 (>74.4%)	

## SPECIFICATION: FACE SCREENS Cont

	Description	Code	Colour	Material	Screen Length (visible length when fitted)	For use with	Weight	Arc Visible Light Transmittance % and Class
Product Codes and Specification	Contour XII Light-Green Arc Class 2 face screen with chin protection	S820	Light-Green screen / Grey Chin Guard	Polycarbonate Screen with anti fog coating and non transparent fibre reinforced Nylon Chin Guard	153mm Visible Length 235mm incl Chin Guard	Contour helmet mounted Carrier (S55)	275g	>75% Class 0 (>74.4%)
	Contour XIII Clear-Grey HT Arc Class 2 face screen with chin protection	S830	Clear-Grey HT Screen and Chin Guard	Polycarbonate Screen and Chin Guard with anti fog coating	153mm Visible Length 235mm incl Chin Guard		257g	>80% Class 0 (>74.4%)
	Contour XIV Grey HT Arc Class 2 and 26cal/cm2 face screen with chin protection	S840	Grey HT Screen and Chin Guard	Polycarbonate Screen and Chin Guard with anti fog coating				<50% Class 2

## APPLICATIONS

Applications for Face Screens	Applications						
	Drilling/Milling	Grinding	Welding (filters for personal eye-protection equipment used in welding and similar operations)	Welding (Welding and braze welding of heavy metals. Welding with emittive fluxes (notably light allows) Oxygen cutting)	Inorganic Chemicals	Organic Chemicals	Live Electrical Working
S800	✓	✓					
S810	✓	✓					✓
S820	✓	✓					✓
S830	✓	✓					✓
S840	✓	✓					✓

## EUROPEAN AND INTERNATIONAL STANDARDS WITH OPTIONS

Product Code	EN 166:2001: Personal Eye Protection							EN 169: 2002	EN 170: 2002	EN 171: 2002	EN 172: 1995	GS-ET-29 Rev 1 Supplementary requirements for the testing and certification of face shields for electrical works	ANSI/ISEA Z87.1 2010 American National Standard for Occupational and Educational Personal Eye and Face Protection Devices	NFPA 70E ASTM2178						
	F - Low Energy Impact	B - Medium Energy Impact	A - High Energy Impact	1 - Optical Class	3 - Liquid droplets	9 - Molten Metal Splash	T - High Speed Particles at extremes of temperature	8 - Electric Arc	Scale Number 3	Scale Number 5	2C-1,2 with improved colour recognition	2-1,2	4-5	5-2,5	5-3,1	Class 1 4 kA (3.2 cal/cm <sup>2</sup> )	Class 2 7 kA (10.1 cal/cm <sup>2</sup> )	Z87.1	Z87.1+ (Impact Rated)	26 cal/cm <sup>2</sup>
S800	✓		✓	✓	✓	✓				✓									✓	
S810	✓		✓	✓	✓	✓	✓			✓					✓				✓	
S820	✓		✓	✓			✓			✓						✓				
S830	✓		✓	✓			✓			✓						✓				
S840	✓		✓	✓			✓			✓						✓				✓

## NEXUS ANTI STATIC SYSTEM

The Contour Carrier and Contour Multi Purpose Face Screen in conjunction with the Nexus safety helmet can be used in explosive atmospheres as it provides anti static protection according to IEC 60079-32-2:2015 Electrostatics hazards tests.

Product	Gas Zone 0			Gas Zone 1			Gas Zone 2			Dust Zone 20			Dust Zone 21			Dust Zone 22		
	IIA	IIB	IIC	IIA	IIB	IIC	IIIA	IIIB	IIIC	IIIA	IIIB	IIIC	IIIA	IIIB	IIIC	IIIA	IIIB	IIIC
Nexus Core with Contour Carrier (S55) and/or Multi Purpose Face Screen (S810) and with Scala XI Ear Defenders (S72CE)				✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

## PACKAGING AND MAINTENANCE

Packaging	S55: 1 per polybag, bag size 41.5 x 27 x 18cm, weight 1.5kg S800: 1 per polybag, bag size 235mm x 320mm x 135mm, weight 220g S810: 1 per polybag, bag size 235mm x 350mm x 140mm, weight 213g S820: 1 per polybag, bag size 400mm x 240mm x 140mm, weight 295g S830: 1 per polybag, bag size 400mm x 240mm x 140mm, weight 277g S840: 1 per polybag, bag size 400mm x 240mm x 140mm, weight 277g
Storage	The General Purpose and Multi Purpose Screens can be stored at 0°C to + 30°C. The Arc Class 2 screens can be stored at -10°C to + 45°C. They may be stored in the dark for up to 5 years. All screens should be stored and transported in their original packaging. Storage in direct sunlight, extremes of temperature and in a fashion that is liable to distort is not recommended.
Lifetime	The Contour X (S800), Contour XI (S810) and Contour XII (S820) screens have been designed to have an in-use life of up to 5 years. The Contour XIII Clear-Grey HT Arc Class 2 Face Screen (S830) and the Contour XIV Grey HT Arc Class 2, 26 cal/cm <sup>2</sup> Face Screen (S840) have an in-use life of up to 10 years. Excessive wear and tear can considerably reduce the lifespan of the product.
Cleaning	Clean using warm soapy water and soft cloth. Care must be taken to avoid scratching.
Disposal	Recycling is preferred when possible. Look out for the recycling symbol for material category.
Warning	Arc Class 2 Face Screens (S820, S830 and S840): do not place the screens next to a heat source. Do not use the screens for electric arc welding exposures. Carefully read the users manual to ensure correct operation.