

NEXUS FACE SHIELD RANGE

S830

Approved to
EN 166:2001 B 13 8,
EN 170:2002 2C-1,2,
GS-ET-29 Rev 1 Class 2

Utilises the latest
Paulson Arc
technology

The highest visible
light transmittance
for accurate cable
identification



S55

Nexus Contour Carrier to Mount Faceshields



TS-VC

Tuff-Shield Extra High Impact Clear Visor



AS/NZS1337.1:2010

S810

Nexus Multi Purpose Moulded Class 1 Arc
Flash Rated Faceshield



S820

Nexus Light Green Class 2 Arc Flash Rated
Faceshield and Chinguard



S830

Nexus Grey-Clear Class 2 Arc Flash Rated
Faceshield and Chinguard



PERFORMANCE FEATURES

- + Arc Class 2 face protection
- + Clear-grey polycarbonate HT screen with antifog coating
- + Approved to EN 166:2001 B 13 8, EN 170:2002 2C-1,2, GS-ET-29 Rev 1 Class 2
- + Utilises the latest Paulson Arc technology
- + The highest visible light transmittance for accurate cable identification
- + Carrier available as a separate item (product code S55)

SUITABLE FOR

- + Linesmen
- + Electrical
- + Engineering
- + Manufacturing

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 S55 contour carrier is designed to provide close fitting face protection and a low profile when retracted up over the helmet.

The TS-VC is designed for general purpose extra high impact protection.

The S810 is a multi purpose faceshield with integrated chin protection and anti scratch and anti fog coating for general purpose impact and Class 1 arc protection.

The S820 light-green visor faceshield provides an effective Class 2 face protection solution.

The S830 clear-grey visor faceshield 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.

All these faceshields connect to the S55 contour carrier, enabling users to have the flexibility to switch faceshield types, depending on their application or risk.



These pictures show the faceshield fitted to the S55 carrier. Note that this is supplied as a separate item, the product code shown relates to the faceshield only.



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	Nexus helmets	Nylon	139g

SPECIFICATION: FACE SCREENS

Product Codes and Options	Description	Code	Colour	Material	Screen Length (visible length when fitted)	For use with	Weight	Arc Visible Light Transmittance % and Class
	Tuff-Shield general purpose face screen	TS-VC	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		170g	>90% Class 0 (>74.4%)
	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		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		275g	>80% Class 0 (>74.4%)

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
TS-VC	✓	✓					
S810	✓	✓					✓
S820	✓	✓					✓
S830	✓	✓					✓

EUROPEAN AND INTERNATIONAL STANDARDS WITH OPTIONS

Product Code	EN 166:2001: Personal Eye Protection							EN 169: 2002	EN 170: 2002	AS/NZS 1337.1 Extra High Impact Rated 190 m/s	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						
	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		5-2,5	5-3,1	Class 1 4 kA (3.2 cal/cm²)	Class 2 7 kA (10.1 cal/cm²)	Z87.1	Z87.1+ (Impact Rated)
TS-VC				✓	✓	✓	✓				✓		✓						✓
S810		✓		✓	✓	✓	✓	✓			✓					✓			✓
S820		✓		✓	✓			✓			✓						✓		
S830		✓		✓	✓			✓			✓						✓		

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 (TS-VC)				✓			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

PACKAGING AND MAINTENANCE

Packaging	S55: 1 per polybag, bag size 41.5 x 27 x 18cm, weight 1.5kg TS-VC: 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
Storage	The General Purpose and Multi Purpose faceshields can be stored at 0°C to + 30°C. The Arc Class 2 faceshields can be stored at -10°C to + 45°C. They may be stored in the dark for up to 5 years. All faceshields 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 Tuff-Shield (TS-VC), Contour XI (S810) and Contour XII (S820) faceshields have been designed to have an in-use life of up to 5 years. The Contour XIII Clear-Grey HT Arc Class 2 faceshield (S830) has 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 faceshields (S820 and S830): do not place the faceshields next to a heat source. Do not use the faceshields for electric arc welding exposures. Carefully read the users manual to ensure correct operation.

