

## **TECHNICAL FACT SHEET**

### **3M™ Nassau Series Safety Eyewear**

#### **Products include:**

<b>Nassau Pro</b>	<b>71503-00001M</b>	<b>Nassau Pro Blue PC Clear AS</b>
<b>Nassau Plus</b>	<b>14700-00000M</b>	<b>Nassau Plus Black PC Clear AS/AF</b>
	<b>14706-00000M</b>	<b>Nassau Plus Blue PC Clear AS/AF</b>
<b>Nassau Rave</b>	<b>14492-00000M</b>	<b>Nassau Rave Blue PC Clear DX</b>
	<b>14498-00000M</b>	<b>Nassau Rave Black PC Shade 3 DX</b>
	<b>14499-00000M</b>	<b>Nassau Rave Black PC Shade 5 DX</b>

PC = Polycarbonate

AS = Anti-scratch coating

DX = Advanced anti-scratch, anti-fog coating

AF = Anti-fog coating

#### **Product Description:**

The Nassau series of protective eyewear contains a number of models, each offering differing benefits to the wearer.

The Nassau Pro features temple arms with adjustable length (3 fixed positions) and temple tips with attachment eyelets that allow lanyards to be fitted.

The Nassau Plus is available in two frame colour options and is fitted with adjustable temple arms (4 fixed positions).

Nassau Rave models are available with either clear or welding shade lenses. The frames incorporate both adjustable temple length (4 fixed positions) and adjustable pantoscopic angle (angle of the lens frame to the temple), providing an optimised fit for the wearer. The frames also feature ventilated sections that are designed to reduce fogging. An advanced DX coating provides both anti-scratch and anti-fog protection.

All Nassau models feature integrated side-shields that provide enhanced protection and allow for a wide field of vision.

#### **Intended Use:**

These products are intended for protection against high speed particles at low energy (F) at either room temperature or at extreme temperature conditions, -5°C and +55°C, (T) in accordance with EN 166:2001.

Three lens options are available for different applications:

- Clear – Good colour recognition and excellent UV protection
- Welding – Two shade options available to suit individual needs

**Key Features:**

- Design provides excellent coverage and good field of vision
- Optical Class 1 to allow prolonged comfortable wear
- Offers excellent protection against UV radiation
- Multiple features available for increased comfort and adjustability
- A number of lens coatings are available, offering different levels of scratch resistance and anti-fogging

**Applications:**

These products can be used in a wide range of applications including:

- Light duty maintenance and repair
- Foundry work
- Engineering
- General assembly
- Woodworking
- Construction
- Welding

**Standards and Approval:**

This protective eyewear has been shown to meet the basic safety requirements under Article 10 of the European Community Directive 89/686/EEC and is thus CE marked.

These products have been examined at the design stage by INSPEC International Ltd., 56 Leslie Hough Way, Salford, Greater Manchester, M6 6AJ, United Kingdom (Notified Body number 0194).

These products are tested and CE approved against EN166:2001.

**Marking:**

The products have demonstrated compliance with the requirements of EN 166:2001 and associated standards and bear the following marks:

Lens marking

Nassau Pro Clear lens:	2C-1.2 3M 1 F
Nassau Plus Clear lens:	2C-1.2 3M 1 FT
Nassau Rave Welding shade 3 lens:	3 3M 1 F
Nassau Rave Welding shade 5 lens:	5 3M 1 F

Frame marking

Frames:	3M Nassau Pro EN166 F CE
Frames:	3M Nassau Plus EN166 FT CE
Frames:	3M Nassau Rave EN166 F CE

### Explanation of Marking

<b>Marking</b>	<b>Description</b>
2C-1.2 (EN 170:2002)	UV protection with good colour recognition. This product conforms to the requirements of the standard, providing UV protection for the complete specified range (210nm – 365nm).
3 and 5 (EN 169:2002)	Welding lens providing protection against UV for the specified range (210nm to 365nm) and IR protection for the specified range (780nm to 2000nm).
1	Optical class
F	Impact protection against high speed particle at low energy (45m/s)
T	Tested for impact protection at extreme temperature conditions -5°C and +55°C

### **Use limitation**

- Never modify or alter this product
- Do not use this product against hazards other than those specified in this document.
- In accordance with EN166:2001 safety spectacles cannot be tested and approved for use against liquid droplets. Where liquid protection is specified a suitable product should be considered, for example safety goggles.
- This product is not designed to be worn over prescription spectacles