



***Face protection***

# Face Protection

## Introduction

In some situations a safety spectacle provides not the correct protection. When you want to protect your face and eyes against liquid splashes, flying particles such as steel, stone, metal or grinding disc particles then face protection should be used.

North's face protection can be recognized by its design and low weight and can be combined with other North products such as hard hats and ear defenders.

## EN Standards



- EN166 Specifications for personal protective eyewear
- EN167 Standard for optical test methods
- EN168 Standard for non-optical test methods

### by application types

- EN169 Standard for welding filters
- EN170 Standard for ultraviolet filters
- EN172 Standard for solar protection filters for industrial use
- EN1731 Mesh type eye and face protection

## Material Properties

### PC

- Polycarbonate
- Medium energy impact: Class B
- Extremely suitable for heavy grinding, drilling and milling work
- Limited chemical resistance

### CP

- Cellulose propionate
- Low energy impact: Class F
- Extremely suitable for work with chemicals, light grinding, drilling and milling work
- High chemical resistance

### PETG

- Polyethylene Terephthalate Glycol
- Low energy impact: Class F
- Suitable for work with chemicals, light grinding, drilling and milling work
- Recyclable product

## Marking frame & lens

- F** Resistance to low energy impact (6 mm steel ball launched at a speed not exceeding 45 m/s)
- B** Resistance to medium energy impact (6 mm steel ball launched at a speed not exceeding 120 m/s)
- A** Resistance to high energy impact (6 mm steel ball launched at a speed not exceeding 190 m/s)

## Marking frame

- T** Protection against impact at extreme temperatures

## Marking lens

- 2** UV-light filter
- 2C** UV-light filter with good colour recognition

## Additional markings

- 3** Protection against drops and splashes
- 4** Protection against dust particles greater than 5 microns
- 5** Protection against dust particles less than 5 microns
- 8** Protection against electric arc discharges caused by short-circuiting
- 9** Protection against molten metal and hot solids
- K** Filter with abrasion resistance features
- N** Filter with anti-fog features

The marking must be visible on each component to comply with the standard EN 166.

## Lens coating & material descriptions



- anti-scratch
- anti-UV
- anti-static



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- anti-fog



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All of North's protective eyewear is treated with a scratch resistant coating or North's exclusive 4A coating. The Anti-Fog treatment is applied on both sides of the lens.

- Scratch resistant coating
- Permanently bonded to the lens
- Very durable
- Extends lens life
- Excellent optical quality
- Resistant to a wide range of chemicals

**4A+ coating is an unique lens treatment that will meet the additional EN166 standard K= scratch resistant & N= Anti-Fog features on both sides of the safety lens.**

# Face shields

## Perforama Nova



Three part face shield with clear crown and chin guard for optimum protection.

- Screen 18cm
- Flip-up screen
- Adjustable flip-back block position
- Ratchet adjustable headgear

Screen	Coating	Art. nr.	Repl. Screen	Marking
Clear PC	3A	820140	520160	3-1,2 EN166 1B 9 N CE
Clear CP	4A	820144.6	520164	EN166 1F 9 N CE
Clear PC Combi North	3A	820840.5	520860.5	3-1,2 EN166 1F N CE
Clear CP Combi North	4A	820844.5	520864.5	EN166 1F N CE

## Perfo Nova



Comfortable face shield with black crown.

- Screen 21cm
- Flip-up screen
- Adjustable flip-back block position
- Ratchet adjustment headgear

Screen	Coating	Art. nr.	Repl. Screen	Marking
Clear PC	3A	820440	520450	3-1,2 EN166 1B 9 N CE
Clear CP	4A	820444	520454	EN166 1F 9 N CE
Clear PC Combi North	3A	821040.5	521050.5	3-1,2 EN166 1F N CE
Green CP Combi North	3A	821043.5	620458	EN166 1F CE

# Icons used

## General



Material



Weight



Customizable



3A coating



4A coating



4A+ coating

## Eye protection



Lollypop packaging



RX Insert



Replaceable lens



Pantoscopic angling

## Hearing protection



SNR Value

## Respiratory protection



Adjustable fit



Dust filter



Gas filter

## Hand protection



EN 388



EN374.2003



EN374.2003



EN374.2003



EN407



EN511



EN421



EN421



Coating



Packaging



EN420 - Consult the instructions for use

## Fall protection



Servicable



Positioning



Ladder climbing



Rescue



Descent



Fall arrest



Confined spaces



Construction working



Extended D-ring



Work restraint



Scaffolding work