

**BETA****FIT**  
INNOVATIVE PPE EXPERTS

# PRODUCT GUIDE

**2025**



**Manufacturers of Innovative Sustainable  
PPE Above the Neck**

**Sedex**



GUIDE  
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Dear Customer,

Welcome to our 2025 product guide.  
It is packed with many new products, alongside the  
trusted products you have come to rely on.

As experts in innovative sustainable PPE above the  
neck, our range is evolving quickly in response to  
customer needs, and a changing market.

We are delighted to include safety helmets, a new  
category that fits perfectly into the comfort, quality and  
compliance ethos that we're so passionate about.

Building on our foundations of 20 years in PPE, we're  
experiencing exponential growth that is set to continue.  
We look forward to working with you to make 2025 a  
safe and successful year.

Thank you for your support,



Vern James, on behalf of the Betafit Team

SECTORS WE SERVE

We're committed to being your partner for above the neck PPE,  
providing industry-leading protection across diverse sectors.

- Construction
- Infrastructure
  - Rail
  - Highways
  - Traffic Management
  - Aggregates
- Utilities
- Waste & Recycling
- Manufacturing
- Emergency & Healthcare
- Food & Beverage



## SUSTAINABILITY



At Betafit we understand getting the balance between the need for people's safety and environmental responsibility now as well as for future generations. The following key areas are incorporated into our BetaPlanet strategy:

### 1. Reduce Single-Use Plastic Packaging

- Betafit's commitment to reducing single-use plastic packaging is already well underway within our product line-up with certain products already in 100% recyclable packing. We've also innovated new solutions: **see page 42**

### 2. Manufacture PPE from Recycled Material

- We recycle waste from the environment through our **Ocean** range which uses recovered and recycled fishing nets in the production of our PPE. **page 13**
- We have also introduced fully certified 100% recycled spectacles to our range to continue pushing the boundaries of what's possible in PPE. **Danao - page 14**

### 3. Become Carbon Neutral

- We are calculating and tracking our emissions so that we can reduce them, and will offset all unavoidable emissions via approved and traceable schemes.

### 4. Helmet Recycling Scheme

- The Safety Helmet Recycling Scheme enables our customers to join our sustainability journey in a way that benefits them. Instead of going to landfill, helmets can be deconstructed and recycled, giving them a second life in new products.



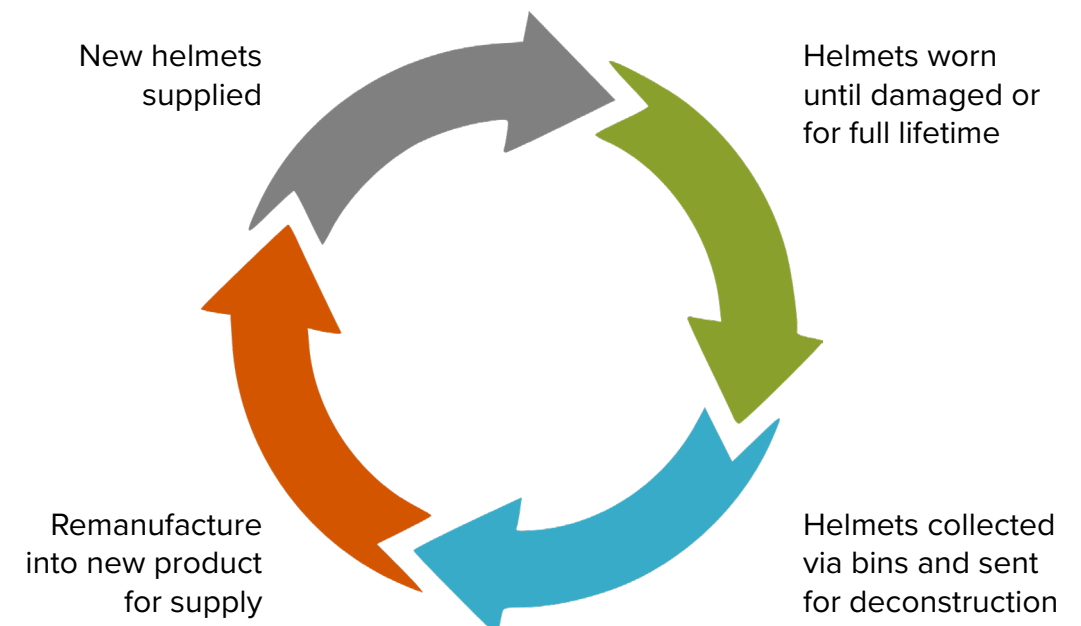
Look out for products featuring the BetaPlanet logo to know that your PPE is made with the planet in mind.



## THE SAFETY HELMET END-OF-LIFE SOLUTION

Most PPE is part of a linear product cycle, where the end product is waste that goes to landfill or could end up in the ocean. Part of Betafit's strategy is to change this, and we're starting with safety helmets.

Betafit's **Safety Helmet Recycling Service** gives your safety helmets a second life.



### How to get started

- Order your Helmet Recycling Boxes (pack of 5) using the code below
- Fill them with used or damaged helmets (approx 20)
- Send it back to Betafit for recycling
- You will be issued a certificate of recycling to ensure compliance

Please check our website for more details.

Pack of 5 helmet recycling boxes.  
Delivered flat-packed.

**PRODUCT CODE:** RB05

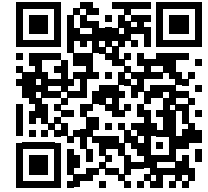


**contact us for enquiries or support**

08455 444 000 • sales@betafit.com



# The PPE Innovation Hub London



Bringing together a diverse group of thinkers, creators, and stakeholders, to share ideas and collaborate on innovative solutions in PPE that drive positive change.

By invitation only. To register your interest to be included in the group of individuals that help shape the future of PPE contact Laurie Butcher by telephone 08455 444 000 or email [laurie.butcher@betafit.com](mailto:laurie.butcher@betafit.com)

A bi-annual event for driving the industry closer to a zero injury goal.







# SAFETY EYEWEAR



Pictured Specs:  
DANAO 100% RECYCLED  
see page 14

Your eyes are among the most critical and delicate organs in your body. Protecting your eyes is not just about avoiding discomfort—it’s about preserving your vision, maintaining your quality of life, and ensuring long-term safety.

## UNDERSTANDING LENS TYPES



ANTI  
SCRATCH



AMBER  
LOW LIGHT



BLUE LIGHT  
BLOCKER



K & N  
RATED



WATER  
REPELLENT



INDOOR &  
OUTDOOR



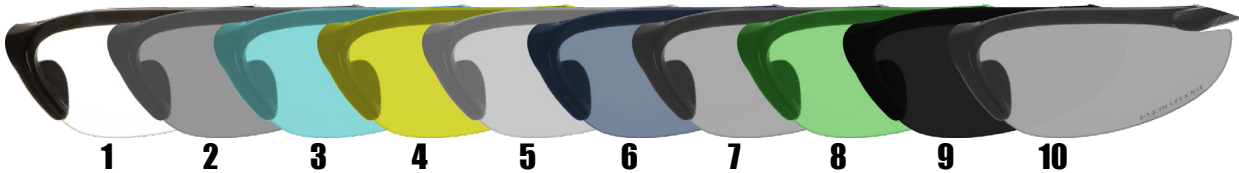
ANTI  
FOG



SUNLIGHT  
PROTECTION

## LENS FILTERS

Choosing the right lens filter is critical, so we have explained how each lens option is designed to protect you. Each lens type has a **VLT rating**, indicating the amount of **Visible Light Transmission** provided with that filter. For further technical advice, please study the following pages, or contact our sales team by telephone, or via the website.



- 1. CLEAR**  
Clear Polycarbonate Lens for use in all general conditions that require impact protection  
**VLT = 91%**
- 2. XTP**  
Lightly Tinted Polycarbonate Lens, ideal for working outdoors on cloudy days or inside under artificial lighting. (indoor/outdoor lens)  
**VLT = 64%**
- 3. HD BLUE**  
Blue Polycarbonate lens, for use in low light conditions and to sharpen definition  
**VLT = 59%**
- 4. AMBER**  
Amber Polycarbonate lens, for use in low light areas and in artificial light conditions  
**VLT = 83%**
- 5. SILVER MIRROR**  
Smoke Grey Polycarbonate Lens with silver mirror flash coating, ideally suited to working outside in bright sunlight  
**VLT = 22%**
- 6. BLUE MIRROR**  
Smoke Grey Polycarbonate Lens with blue mirror flash coating, ideally suited to working outside in bright sunlight  
**VLT = 22%**
- 7. SMOKE GREY**  
Smoke Grey Polycarbonate Lens for use in sunny conditions and general outside use  
**VLT = 22%**
- 8. LIGHT GREEN**  
Light Green Anti-Flash (Shade 1.7) Polycarbonate Lens, for use in welding areas to protect against welding flash  
**VLT = 55%**
- 9. DARK GREEN**  
Dark Green (Shade 5) Polycarbonate Lens, for use when gas welding, brazing or cutting (NOT for Electric Arc Welding)  
**VLT = 2%**
- 10. BLUE LIGHT BLOCKER**  
Special lens that can block or absorb a portion of the blue light emitted by digital screens, LED lights, and other sources  
**VLT = 90%**





The complete range of Betafit Eyewear meets the applicable standards EN166, EN170, EN171, EN172 and EN ISO 16321-1:2022.

What is EN ISO16321-1:2022?

EN 166:2001 has been used for certification of safety eyewear in the European Union and United Kingdom since 2001. It is being replaced by EN ISO 16321-1:2022.

See our website for legislation updates

UNDERSTANDING  
EN PRODUCT MARKINGS

CODE NO.	FILTER TYPE (MARKED ON LENS)
None	Welding Filter
2	UV Filter, colour recognition may be affected
2C or 3	UV Filter with good colour recognition
4	Infrared Filter
5	Sun glare Filter without IR specification
6	Sun glare Filter with IR specification

SHADE NO.	SHOWN AFTER CODE NUMBER
1.2	Clear, Amber
1.4	XTP, Blue
1.7	Anti Flash
2.5	Smoke, Silver Mirror, Blue Mirror
3.1	Dark Smoke
5.0	(Gas welding filter only)

MECHANICAL RESISTANCE

IMPACT LEVEL	MAXIMUM SPEED	TYPES OF EYE PROTECTION
A (T) High Energy Impact	190m/s	Face shields
B (T) Medium Energy Impact	120m/s	Face shields/Goggles
F (T) Low Energy Impact	45m/s	Face shields/Goggles/Spectacles
S Increased Robustness	5.1m/s	Spectacles (Generally Prescription)

Frame/Lens has had additional extreme temperature test at -50°C and +55°C

OPTIONAL REQUIREMENTS
K Resistance to Surface Damage by Fine Particles
N Resistance to Lens Fogging
T Mechanical Resistance at Extreme Temperature of -50°C and +55°C

EXAMPLES OF LENS  
AND FRAME PRODUCT MARKINGS



LENS PRODUCT MARKINGS	
2-1.2	Filter Code & Shade Number
BF	Manufacturer Identification
1	Optical Class
FT	Mechanical Resistance
KN	Optional Requirements
CE	CE Mark

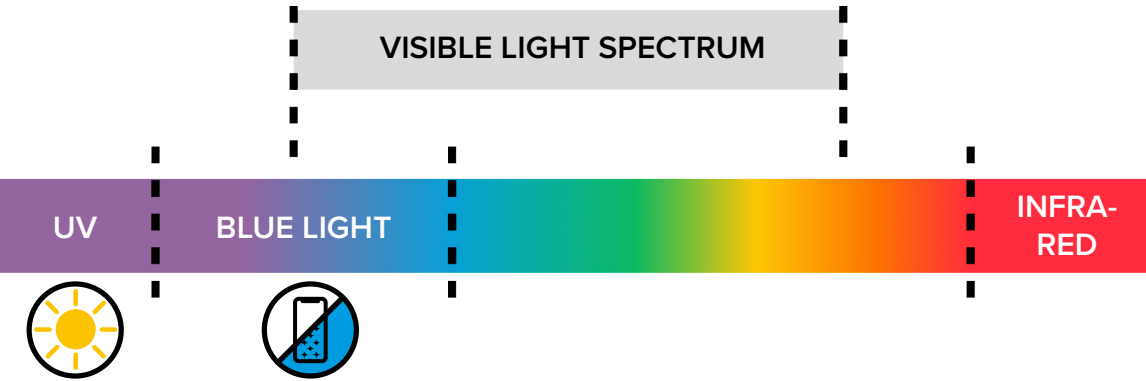


FRAME PRODUCT MARKINGS	
BF	Manufacturer Identification
166	Standard
FT	Mechanical Resistance
CE	CE Mark

EN STANDARDS

EN166	GENERAL SPECIFICATIONS
EN169	WELDING FILTERS
EN170	ULTRAVIOLET FILTERS
EN171	INFRARED FILTERS
EN172	SUN GLARE FILTERS

Do you know the difference between UV light and Blue light?



UV (ultraviolet) light and blue light are both part of the electromagnetic spectrum, but they differ in their wavelengths, energy levels, and effects on the eyes.

- UV light has shorter wavelengths than visible light, ranging from 100 nm to 400 nm.
- Blue light is part of the visible light spectrum and has wavelengths between 400 nm to 500 nm.

UV light is invisible to the human eye because its wavelength is shorter than what we can perceive. Blue light is visible and is the reason we perceive the sky as blue. It's the highest energy light that we can see.

Effects on the Eyes:

UV Light: Short-term exposure can cause photokeratitis (sunburn of the cornea) and temporary vision problems. Long-term exposure can lead to cataracts, macular degeneration, and other serious eye conditions.

UV rays are more dangerous to the deeper structures of the eye (lens, retina) due to their high energy.

Blue Light: Blue light penetrates deep into the eye and reaches the retina. Excessive exposure, particularly from screens, can contribute to digital eye strain (dry eyes, headaches, blurred vision), which can lead to your eyes feeling tired and cause loss of focus or attention - this can be particularly hazardous in dangerous working environments. There's also growing concern that long-term exposure to blue light, especially the blue-violet spectrum, may contribute to age-related macular degeneration (AMD) over time.

Find your Betafit solution

The XPOLAR is one example of a UV blocking safety spec, with a polarised lens. See page 34



The LUGANO is one of few safety specs that offer blue light blocking, to reduce eye strain and improve performance. See page 12





## Betafit Lugano

### The perfect safety spectacle for working in artificial lighting



Soft brow guard for improved fit and protection



Innovative blue light blocker lens technology



Contour and vented frame for comfort and a lighter weight



## LUGANO

Introducing the Lugano, the cutting-edge safety spectacles crafted with precision to safeguard your eyes in the digital age.

With the Lugano's advanced blue light blocking technology, you can bid farewell to the discomfort caused by prolonged screen time or working in artificial lighting, and minimise the risk of long-term effects of blue light.

Along with KN approval, an advanced anti-scratch and anti-fog lens technology, the Lugano is the ultimate choice in safety eyewear.

### EW7332KN

Experience the difference in visual comfort and eye protection with the Lugano.

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** CLEAR KN WITH BLUE LIGHT TECHNOLOGY







## OCEAN

### KEY FEATURES

- 100% Recycled frame - made from fishing nets
- Lightweight - for all day comfort
- Soft flexible nose pads - for a secure fit
- Soft temple - Cushion temple inserts to ensure they stay in place
- 5 point lens angle adjustment
- Optical class 1 (as with other description)
- Mechanical Strength F – low energy impact protection from high speed particles



### EW4602

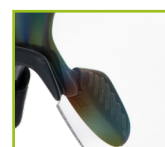
Betafit Ocean Clear Anti-Fog Safety Eyewear, Frame Made From Recycled Fishing Nets.

**APPROVAL:** BS EN166 1 F:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



Adjustable ratchet side arms



Soft adjustable nose pads



Frames Made from Recycled Fishing Nets

### EW4601

Within the Betafit collection, the Ocean stands as the introduction of Betafit safety eyewear featuring a frame crafted entirely from recycled fishing nets. Its singular lens design offers both outstanding clarity and protection, with the option to choose from various DuraClear lens technologies.

**APPROVAL:** BS EN166 1 F:2002 / EN170 & EN172 5-2.5

**LENS:** CLEAR ANTI-SCRATCH



### EW4603

Betafit Ocean Smoke Grey Lens Anti-Fog Safety Eyewear, Frame Made From Recycled Fishing Nets.

**APPROVAL:** BS EN166 1 F:2002 / EN172

**LENS:** SMOKE ANTI-SCRATCH



Made from 100% Recycled Material



## DANAO

### KEY FEATURES

- Made from 100% recycled plastic, including the lens
- Lightweight and flexible
- Doesn't contain any metal parts
- Contour fit for ultimate comfort
- Part of the BetaPlanet range, made with the planet in mind

### EW7601

As a safety spec made entirely from recycled material the Danao is one of a kind. Combining safety, comfort, style and sustainability it's the perfect blend for any and all users.

**APPROVAL:** BS EN166

**LENS:** CLEAR ANTI-SCRATCH







## GENEVA

### KEY FEATURES

- BETAFIT Geneva – incorporating 2nd generation design improvements to this high performing range
- Optical Class 1, highest quality clear vision polycarbonate lens
- Mechanical Strength F – low energy impact protection from high speed particles
- UV400 Smoke-Grey tinted Hard Coated, single-piece, wraparound lens (only EW2103S)
- TSR compliant anti-glare tint



### EW2101

Betafit Geneva Clear Anti-Scratch Safety Eyewear

**APPROVAL:** BS EN166 1 F:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH



### EW2102

Betafit Geneva Clear Anti-Fog Safety Eyewear

**APPROVAL:** BS EN166 1 F:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



### EW2103S

Betafit Geneva Sport Smoke-Grey Lens Safety Eyewear

**APPROVAL:** BS EN166 1 F:2002 / EN172 5-3.1

**LENS:** SMOKE ANTI-SCRATCH



## MERANO II

### KEY FEATURES

- BETAFIT MERANO Clear Hard Coated Safety Eyewear, a durable lightweight favourite, distinctively styled for a closer fit
- Optical Class 1, highest quality clear vision polycarbonate lens
- Lightweight – 23grams
- Clear Hard Coated wraparound single-piece lens provides uninterrupted clear vision
- Lens shape especially designed to follow facial contours, providing a better fit
- Dual Tech Soft Grip Side Arms for extra comfort



### EW1201

Betafit Merano, Clear Anti-Scratch Safety Eyewear

**APPROVAL:** BS EN166 1 F:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH



### EW1204

Betafit Merano, Amber Anti-Scratch Safety Eyewear

**APPROVAL:** BS EN166 1 F:2002 / EN170

**LENS:** AMBER ANTI-SCRATCH



### EW1202

The lightweight Merano combines simplicity and comfort with the one-piece wraparound lens and the bi-injection technology soft grip temples. The lenses are specially designed to follow facial contours to ensure maximum comfort.

**APPROVAL:** BS EN166 1 F:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



### EW1203

Betafit Merano, Smoke Anti-Scratch Safety Eyewear

**APPROVAL:** BS EN166 1 F:2002 / EN172

**LENS:** SMOKE ANTI-SCRATCH



### EW1206

Betafit Merano, In/Outdoor Anti-Scratch Safety Eyewear

**APPROVAL:** BS EN166 1 F:2002 / EN172 5-1.7

**LENS:** INDOOR/OUTDOOR ANTI-SCRATCH



**EW2602S**

Betafit Garda Sport Clear Lens Anti-scratch  
Anti-Fog Safety Eyewear

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG

**EW2601S**

Betafit Garda Sport Clear Lens Anti-scratch  
Safety Eyewear

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH

**EW2604S**

Betafit Garda Sport Amber Lens Anti-Scratch Safety  
Eyewear

BS EN166 1 FT:2002 / EN170

**LENS:** AMBER ANTI-SCRATCH

**GARDA SPORT****KEY FEATURES**

- GARDA SPORT Clear Safety Eyewear offers a sleek wraparound style with Hard coated lens
- Optical Class 1, highest quality clear vision polycarbonate lens
- Mechanical Strength F – low energy impact protection from high speed particles
- Optical Class 1, highest quality clear vision polycarbonate lens
- Dual technology side arms with flexible tips for ultimate comfort and a secure fit
- Hard Coated, single-piece wraparound lens for wide-angle vision

**EW2603S**

Betafit Garda Sport Smoke-Grey Lens  
Anti-Scratch Safety Eyewear

**APPROVAL:** BS EN166 1 F:2002 / EN172 5-3.1

**LENS:** SMOKE ANTI-SCRATCH

**EW2606S**

Betafit Garda Sport Indoor/Outdoor Lens Anti-scratch  
Safety Eyewear

BS EN166 1 F:2002 / EN172 5-1.7

**LENS:** INDOOR/OUTDOOR ANTI-SCRATCH



Alternate between spectacle and  
goggle with detachable strap and arms

**LOGAN****EW7202KN**

The Logan is a unique product in the Betafit range because it has a number of wearer options. It can be worn as a standard safety spectacle with side arms or with the gasket to enhance the level of protection. It also has the option of a headstrap that is worn in place of the side arms that improves the level of protection further and maintains a secure fit.

**KEY FEATURES**

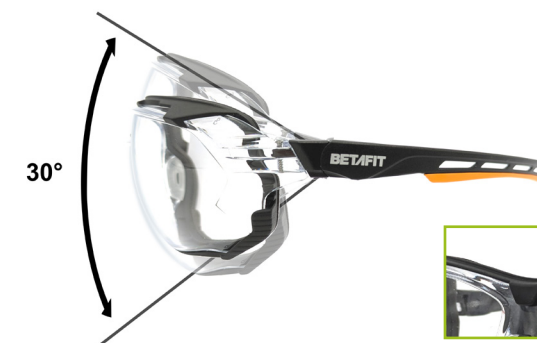
- Optical Class 1 - highest quality clear vision lens
- Mechanical Strength F - low energy impact protection
- Anti-fog and hard coated approved KN lens for performance anti-scratch and anti-fog
- Supplied with standard side arms and a headstrap to maximize a secure fit
- The inner gasket can be removed depending on the level of protection required

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG KN



Great fit for smaller  
faces



Soft Seal  
Surround

**SIMCOE****EW7002KN**

The Simcoe is an innovative product in the Betafit range due to its wearability across different sized wearers.

It has flexible curved side arms that make the specs easy to fit smaller heads, with a soft seal for the perfect fit. The Simcoe sports adjustable sides to improve wearer comfort and maintains a secure fit.

**KEY FEATURES**

- Anti-fog and hard coated approved KN lens for optimal performance
- Adjustable and flexible side arms
- Soft seal inner gasket
- Exceptionally lightweight

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG KN







For customer support, samples or user trials contact us on  
08455 444 000 or email [sales@betafit.com](mailto:sales@betafit.com)

**Betafit Wave**  
**Anti-Distortion Lens Technology.**  
**The Perfect Blend of Safety and Style.**

**WAVE**

Sleek and sophisticated safety spectacles, engineered to offer superior eye safety in style. With hard-coated and anti-fog protection, the Wave ensures optimal protection against impact and hazards, giving you the confidence to tackle any task with ease.



**EW7102**  
The Wave clear is the perfect blend of safety and style, with a hard-coated and anti-fog lens for optimum protection.

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG KN



**EW7104**  
The Wave Amber, your solution for low-light conditions.

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** AMBER ANTI-SCRATCH & ANTI-FOG



**EW7105**  
The Wave Mirror is a game-changing safety spectacle where top quality finishes blend with high-end design. Offering a unique tinted lens with red mirror finish ideal for outside use in bright sunlight.

**APPROVAL:** BS EN166 1 FT:2002 / EN172

**LENS:** MIRROR ANTI-SCRATCH & ANTI-FOG







# Betafit Montana

## The industry's favourite lightweight and comfortable safety spectacle

KEY FEATURES

- BETAFIT MONTANA Safety Eyewear offers comfortable all-round protection
- Optical Class 1, highest quality clear vision polycarbonate lens
- Mechanical Strength F – low energy impact protection from high speed particles
- Hard coated, single-piece lens
- Soft-grip bi-polymer arms for optimum comfort and grip
- Eyewear retainer cord included as standard

**EW2202**

Betafit Montana Clear Lens Anti-scratch Anti-Fog Safety Eyewear c/w retainer cord

**APPROVAL:** EN166 I FT / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



Dual Density gripper arm



Lightweight Lens



Wrap around design



All Montana specs are supplied with retainer cords



**EW2201**

Betafit Montana Clear Lens Anti-Scratch Safety Eyewear c/w retainer cord

**APPROVAL:** EN166 I FT / EN170

**LENS:** CLEAR ANTI-SCRATCH



**EW2203**

Betafit Montana Smoke-Grey Lens Anti-Scratch Safety Eyewear c/w retainer cord

**APPROVAL:** EN166 I FT / EN172 5-3.1

**LENS:** SMOKE ANTI-SCRATCH



**EW2204**

Betafit Montana Amber Lens Anti-Scratch Safety Eyewear c/w retainer cord

**APPROVAL:** EN166 I FT / EN170

**LENS:** AMBER ANTI-SCRATCH



**EW2205**

Betafit Montana Blue Mirror Lens Anti-Scratch Safety Eyewear c/w retainer cord

**APPROVAL:** EN166 I FT / EN 172 5-2.5

**LENS:** SMOKE ANTI-SCRATCH BLUE LENS



**EW2206**

Betafit Montana In/Outdoor Lens Anti-Scratch Safety Eyewear c/w retainer cord

**APPROVAL:** EN166 I F / EN 172 5-1.7

**LENS:** INDOOR/OUTDOOR ANTI-SCRATCH





Highly flexible arms  
for a perfect fit

**EW2502**

The retro style of Lucerne incorporates the benefits of a soft nose bridge and brow pad. Suspended flexible temples and extra grip tips ensure exceptional comfort and a very secure fit.

**APPROVAL:** BS EN166 1 F:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



Soft nosepad

Suspended  
Side arms**LUCERNE****KEY FEATURES**

- BETAFIT LUCERNE - unique style eyewear with flexible one-piece lens and suspended side arms
- Optical Class 1, highest quality clear vision polycarbonate lens
- Mechanical Strength F – low energy impact protection from high speed particles
- Flexible super-grip side arms ensure a secure fit
- Suspended side arms to reduce pressure on the temples
- Soft nose bridge and brow pad for ultimate comfort
- Eyewear retainer cord included as standard

**EW2503**

Betafit Lucerne Smoke-Grey Lens Anti-Scratch Safety Eyewear c/w retainer cord

**APPROVAL:** BS EN166 1 F:2002 / EN172 5-3.1

**LENS:** SMOKE ANTI-SCRATCH

**SELINA****EW1101**

Selina offers a winning combination of comfort, affordability, durability, and reliability.

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH

**EW1102**

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



Plastic Free  
Packaging

**ONTARIO****KEY FEATURES**

- Optical Class 1 - highest quality clear vision polycarbonate lens
- Mechanical Strength F - low energy impact protection
- Close fitting offering excellent protection
- Lightweight for comfort
- Available in different lens coatings and shade
- Plastic free packaging

**EW7111**

The Ontario is a lightweight wraparound safety spectacle that is close fitting offering excellent protection. It features opaque side arms to reduce reflection and improve vision when worn for long periods.

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH

**EW7112**

Betafit Ontario Clear Lens Anti-scratch Anti-Fog Safety Eyewear, plastic free packaging.

**APPROVAL:** BS EN166 1 FT:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG

**EW7113**

Betafit Ontario Smoke Lens Safety Eyewear Anti-scratch, plastic free packaging.

**APPROVAL:** BS EN166 1 FT:2002 / EN172 5-2.5

**LENS:** SMOKE ANTI-SCRATCH

**VISISPEC****KEY FEATURES**

- BETAFIT VISISPEC Clear Safety Eyewear offers the traditional style over spectacle that can be worn alone or over normal prescription eyewear
- Optical Class 1, highest quality clear vision polycarbonate lens
- Mechanical Strength F – low energy impact protection from high speed particles
- Ventilated side arms to improve airflow and prevent heat build up
- Ideal for visitors and other short term applications such as passing through a hazardous area

**EW2010**

Visispec is a functional 'overspec' that may be worn as a standard safety spectacle, or to fit over normal prescription spectacles.

**APPROVAL:** BS EN166 1 F:2002

**LENS:** CLEAR ANTI-SCRATCH







## EIGER

### KEY FEATURES

- BETAFIT EIGER contour fit clear Safety Goggles have indirect vents for protection against impact, dust and chemical splash
- Optical Class 1, highest quality clear vision polycarbonate lens
- Mechanical Strength B – medium energy impact protection from high speed particles
- Soft and flexible inner face seal for ultimate comfort and protection
- Indirect vents and Anti-Fog & Hard Coated finish prevents heat and moisture build up within the goggles
- Ultra strong, wide elastic headband for long term strength and comfort

### EW2802

The Eiger is a ski-style safety goggle with a full inner face seal for soft and flexible contour fit. Offering excellent all round vision the Eiger incorporates indirect ventilation for protection against dust and liquid splashes.

**APPROVAL:** BS EN166 1 B 3 4:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



## K2

### KEY FEATURES

- Optical Class 1, highest quality clear vision polycarbonate lens
- Mechanical Strength B – medium energy impact protection from high speed particles
- Soft and flexible inner face seal for ultimate comfort and protection
- Indirect vents and Anti-Fog coating prevents heat and moisture build up within the goggles
- Anti-Scratch and Anti-Fog coated polycarbonate lens for excellent all round vision
- Ultra strong, wide elastic headband for long term strength and comfort

## K2 GOGGLE

### EW2832

The K2 is the latest design in safety goggles. It has a dual density frame that incorporates a soft inner frame and solid outer seal making it extremely comfortable when worn for longer periods. The K2 also has an optional face shield for extra protection

**APPROVAL:** BS EN166 1 B 3 4:2002 / EN170

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



## K2 FACE SHIELD

### EW2800

The K2 face shield is an option that when attached to the K2 goggle increases the level of protection that includes the nose, cheek and mouth area from direct impact.

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



## FUJI

### EW1802

Fuji Clear Wide View Anti-Fog Goggle with adjustable strap. Comfort fit seal offers great protection and reduces the buildup of dust inside the goggle.

**APPROVAL:** BS EN166 1 B 3

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



contact us for a sample or a quote

08455 444 000 • sales@betafit.com



# X2

Superior optical clarity, improved by top-notch craftsmanship, incorporating cutting-edge manufacturing techniques & advanced lens coating methods. X2 Eyewear ensures adherence to the rigorous standards of EN166 K, N, and T categories.

## The pinnacle of eye protection:

The **X2** Premium Betafit Safety Spectacle Range. Elevate your safety standards with this cutting-edge collection designed for those who demand the best in both performance and style.

Crafted with precision and innovation, the **X2** range redefines safety spectacles. Engineered with high-grade materials and advanced lens technology, these spectacles offer unparalleled protection against impact, UV rays, and glare without compromising on clarity or comfort. **X2** spectacles also offer superior quality anti fog and minimal distortion.

The **X2** collection doesn't just meet standards; it sets new ones. Each pair is meticulously designed to provide a superior fit, ensuring all-day wearability without sacrificing durability. The sleek, high-end aesthetics make a statement, reflecting sophistication and professionalism in any environment.

Whether you're in high-risk industrial settings, laboratories, or demanding outdoor conditions, the **X2** range is your assurance of uncompromising protection and style. Elevate your safety gear to a whole new level with **X2** – where cutting-edge technology meets exquisite design for those who settle for nothing but the best.



DURACLEAR LENS COATING TECHNOLOGIES HAVE BEEN DEVELOPED AND TESTED TO MEET THE RIGOROUS REQUIREMENTS OF THE HARSHTEST ENVIRONMENTS.



High grade anti-fog and anti-scratch with K&N rating



Anti-fog and anti-scratch coating



UV protection for work out in the sun



Hard coated anti-scratch



Water repelling technology



High definition amber for low-light environments

Pictured Specs:  
XCEL EW4133  
see page 33

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# X2 Xcess

The flagship X2 spec that combines style, performance and comfort.

## XCESS

### KEY FEATURES

- X2 Xcess Clear K&N rated Safety Eyewear – a dynamic, sports style spectacle with a premium frame for ultimate fit and comfort
- Optical Class 1, highest quality clear vision polycarbonate lens
- Frame Mechanical Strength FT – withstands low energy impact from high speed particles at extreme temperatures
- Visible Light Transmission VLT=91%
- Additional K and N coatings provide superior protection against internal misting and external surface damage by fine particles
- Supplied with Microfibre storage pouch



### EW4232KN

X2 Xcess Gunmetal Frame Clear Lens KN Anti-Scratch Anti-Fog Safety Eyewear with microfibre storage pouch

**APPROVAL:** BS EN166 1FT KN:2002 / BS EN170 2-1.2

**LENS:** CLEAR ANTI SCRATCH, ANTI FOG KN



### EW4282KN

X2 Xcess Blue Frame Clear Lens KN Anti-Scratch Anti-Fog Safety Eyewear with microfibre storage pouch

**APPROVAL:** BS EN166 1FT KN:2002 : BS EN170 2-1.2

**LENS:** CLEAR KN ANTI SCRATCH, ANTI FOG



All Xcess specs are supplied with a storage pouch



### EW4236XTP

X2 Xcess XTP Indoor/Outdoor Lens unique water repelling finish. Includes microfibre storage pouch

**APPROVAL:** BS EN166 1FT:2002 and EN170 2-1.4

**LENS:** INDOOR/OUTDOOR ANTI-SCRATCH WR



### EW4237

X2 Xcess Smoke-Grey Anti-Scratch Safety Eyewear with microfibre storage pouch

**APPROVAL:** BS EN166 1FT:2002 / BS EN172 5-2.5

**LENS:** SMOKE ANTI-SCRATCH



### EW4284

X2 Xcess Amber Lens Anti-scratch Safety Eyewear with microfibre storage pouch

**APPROVAL:** BS EN166 1FT KN:2002 / BS EN170 2-1.2

**LENS:** AMBER ANTI-SCRATCH



### EW4285

X2 Xcess Blue Mirror Lens Anti-mist Safety Eyewear with microfibre storage pouch

**APPROVAL:** BS EN166 1FT:2002 / BS EN172 5-2.5

**LENS:** BLUE MIRROR ANTI-SCRATCH





## XCEED PREMIUM OVERSPEC

### KEY FEATURES

- X2 Xceed Clear Safety Overspec – a premium over spectacle with multi-adjustable arms to meet all fitting requirements
- Optical Class 1, highest quality clear vision polycarbonate lens
- Frame Mechanical Strength FT – withstands low energy impact from high speed particles at extreme temperatures
- Adjustable comfort side arms with soft TPR tips, designed to meet all fitting requirements
- Fits over normal prescription spectacles
- Single-piece polycarbonate lens provides high definition clarity



Adjustable side arms



Soft nose pad

### EW4001+

X2 Xceed Clear Lens Anti-Scratch Adjustable Overspecs

**APPROVAL:** BS EN166 1FT:2002 / EN170 2-1.2

**LENS:** CLEAR ANTI-SCRATCH, ANTI-FOG



## XCALIBUR

### KEY FEATURES

- X2 Xcalibur Combat Goggles – this super strong goggle features a full nylon frame and SBR Foam face seal for ultimate focussed protection
- Optical Class 1, highest quality clear vision polycarbonate lens
- Mechanical Strength B – medium energy impact protection from high speed particles
- Nylon Frames resistant to liquid droplets, coarse and fine dust particles and gas
- SBR Foam full face seal for ultimate comfort & protection
- Supplied with microfibre storage pouch
- Additional UV Filter blocks harmful ultraviolet rays



### EW4832

X2 Xcalibur Clear Combat Goggle with foam face seal and microfibre storage pouch

**APPROVAL:** BS EN166 1B 3 4 5 / BS EN170 2-1.2

**LENS:** CLEAR ANTI-SCRATCH



## XTREME

### KEY FEATURES

- X2 Xtreme HD Safety Eyewear – a striking lightweight sports design offering superior protection and long lasting comfort
- Optical Class 1, highest quality clear vision polycarbonate lens
- Frame Mechanical Strength FT – withstands low energy impact from high speed particles at extreme temperatures
- Lightweight 22gm frame, flexible side arms and soft nose pads provide long lasting comfort
- Additional UV Filter blocks harmful ultraviolet rays
- VLT=59% Improves definition in areas of low light and artificial light conditions
- Supplied with Microfibre storage pouch



### EW4332KNS

X2 Xtreme Clear Lens KN Anti-Scratch Anti-Fog Safety Eyewear with microfibre storage pouch

**APPROVAL:** BS EN166 1FT KN:2002 / BS EN170 2-1.2

**LENS:** CLEAR ANTI SCRATCH, ANTI FOG KN



### EW4338S

X2 Xtreme Sport, HD Blue Anti-Scratch Lens Safety Eyewear with microfibre storage pouch

**APPROVAL:** BS EN166 1FT KN:2002 / BS EN170 2-1.4

**LENS:** BLUE ANTI-SCRATCH



### EW4333S

X2 Xtreme Sport Smoke-Grey Lens Anti-Glare Safety Eyewear with with microfibre storage pouch

**APPROVAL:** BS EN166 1FT:2002 / BS EN172 5-2.5

**LENS:** SMOKE ANTI-SCRATCH





## XCEL

### KEY FEATURES

- X2 Xcel Hard Coated Safety Eyewear – a close fitting style offering long-life robust protection with high definition clarity
- Optical Class 1, highest quality clear vision polycarbonate lens
- Frame Mechanical Strength FT – withstands low energy impact from high speed particles at extreme temperatures
- Clear Hard Coated wraparound lens provides high definition clarity
- Additional UV Filter blocks harmful ultraviolet rays
- Lightweight at 23g, robust protection designed for all day use

Ultra  
lightweight

### EW4111

X2 Xcel Clear Anti-Scratch Safety Eyewear

**APPROVAL:** BS EN166 1FT:2002 / EN170 2-1.2

**LENS:** CLEAR ANTI-SCRATCH



### EW4112

X2 Xcel Smoke-Grey Lens Wrap-around Safety Eyewear

**APPROVAL:** BS EN166 1FT:2002 / BS EN172 5-2.5

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



### EW4133

X2 Xcel Smoke-Grey Lens Wrap-around Safety Eyewear

**APPROVAL:** BS EN166 1FT:2002 / BS EN172 5-2.5

**LENS:** SMOKE ANTI-SCRATCH



Supplied with  
hard case

## XCELERATOR

### KEY FEATURES

- Toric Lens - The first safety eyewear with one lens that curves both vertically and horizontally.
- Reduces blind spots
- Extreme Sport style - great for outdoor use
- Soft adjustable nose pads
- Mirror finish lens with anti-scratch coating for ultimate protection
- N-Rated Lens - Superior inner Anti-Fog coating.

### EW7405

X2 Xcelerator Sport Safety Spectacles

**APPROVAL:** EN ISO16321-1

**LENS:** MIRROR FINISH ANTI-FOG



## XPOLAR

### KEY FEATURES

- X2 Xpolar Safety Eyewear – a strong sleek design, with polarised lens for ultimate protection
- Frame Mechanical Strength FT – withstands low energy impact from high speed particles at extreme temperatures
- Dual technology arms provide ultimate comfort and non-slip grip
- POLARISED Smoke-Grey Anti-glare, Hard Coated PC lens – perfect protection in marine or aquatic environments
- TSR compliant anti-glare tint

### EW4403P

X2 Xpolar Smoke-Grey Polarised Anti-Glare Safety Eyewear, with microfibre storage pouch.

**APPROVAL:** BS EN166 1FT:2002 / BS EN172 5-3.1

**LENS:** POLARISED SMOKE ANTI-SCRATCH







# UNiFIT

Simple and Practical Safety Eyewear



**UF101**  
The UF101 is a basic safety spectacle that offers excellent protection at an economical price. With its wraparound design and lightweight features, this is a good entry level product

**APPROVAL:** BS EN166 1 F:2002

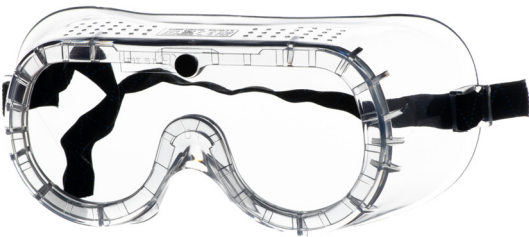
**LENS:** CLEAR ANTI-SCRATCH



**UF102**  
Unifit Clear Lens Anti-Fog Anti-scratch Safety Eyewear

**APPROVAL:** BS EN166 1 F:2002

**LENS:** CLEAR ANTI-SCRATCH & ANTI-FOG



**UF108**  
Unifit Clear Lens Direct Vent Safety Goggles

**APPROVAL:** BS EN166 1 B 3

**LENS:** CLEAR ANTI-SCRATCH



**UF110**  
Unifit Clear Lens Anti-Scratch Safety Over Spectacle

**APPROVAL:** BS EN166

**LENS:** CLEAR ANTI-SCRATCH



For customer support or samples contact us on  
08455 444 000 or email [sales@betafit.com](mailto:sales@betafit.com)

Pictured:  
SIMCOE EW7002KN Specs  
- page 18  
BF6110 Ear Defenders  
- page 47





ACCESSORIES

Made from 85% Recycled Material



**EW2905**  
Hard case for spectacles.  
Strong and durable to keep your spectacles safe at all times.



**EW2901**  
Eyewear retainer cord  
Durable - made to withstand outdoor use



**LCT280**  
Pack of 280 tissues  
Ideal for cleaning spectacles or as part of the LC2000 Lens Cleaning Station



**HPA705**  
Belt Clip for holding multiple PPE  
Holds ear defenders spectacles and other PPE.



Made from 99% Recycled Material



**EW2904**  
Soft storage pouch for spectacles.  
Made from RPET



**EW2902**  
Eyewear Sport retainer cord  
Adjustable length to comfortably fit without getting in the way



**LCS500**  
Bottle of 500ml alcohol free lens cleaning solution  
Can be used on its own or as part of the LC2000 Lens Cleaning Station



**EWLCS30**  
X2 Optical Care Kit in a Pouch  
Comes with lens cleaning solution, soft reusable wipe and instructions.



HEAVY DUTY LENS CLEANING STATION

Made from Recycled Material

KEY FEATURES

- Wall mountable or can stand on a flat surface.
- All in one station to clean spectacles, goggles and visors.
- Easily refillable.
- Made using recycled plastic.
- Weather resistant for outdoor use.

CONTAINS

- x4 packs of 280 tissues
- x1 bottle 500ml alcohol free lens cleaning solution

LC2000

Heavy Duty reusable lens cleaning station.  
Complete with tissues and cleaning solution.  
Ideal for use with all Betafit and X2 products.



for refill options see page 37

LENS CLEANING STATION

KEY FEATURES

- Wall mountable or can stand on a flat surface.
- All in one station to clean spectacles, goggles and visors.
- Strong cardboard design, easily recyclable.

CONTAINS

- x 2 packs of 280 tissues
- x 1 bottle 240ml alcohol free lens cleaning solution

LC1000

Betafit Lens Cleaning Station,  
Complete with Two Boxes of Tissues  
and Alcohol Free Lens Cleaning Solution.  
Ideal for use with all Betafit and X2 products.



contact us for a sample or a quote  
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# HEARING PROTECTION



BETAFIT.COM

BETAFIT  
INNOVATIVE PPE EXPERTS

## NOISE MONITORING SERVICE

Noise meters enable you to create optimal environments, enhancing productivity, concentration, and avoiding injury. Identify noise hotspots, set site requirements and understand hearing protection needs.

Call us for Betafit Noise Meter services



## IS YOUR HEARING AT RISK?

Constant exposure to high levels of noise at work or whilst working in industrial environments will, given time, cause irreparable damage to your hearing.

## WHAT CAN YOU DO ABOUT IT?

Firstly, it is important to assess the risk by measuring the loudness of noises you may be exposed to, taking into account both the average and peak sound levels throughout the day.

Where damaging noise levels cannot be reduced, it is essential that you wear hearing protection such as ear defenders or earplugs. Although noise-induced hearing loss is likely to be permanent and irreversible, it is completely preventable by wearing suitable hearing protection.

## PERSONAL NOISE EXPOSURE LIMITS THE CONTROL OF NOISE AT WORK REGULATIONS 2005

The exposure limits shown above are taken from Regulation 4 of The Control of Noise at Work Regulations 2005, which are in turn based on a European Directive.

These regulations require all employers to assess the risks from noise exposure at work and where appropriate, provide suitable and sufficient hearing protection for each employee exposed to noise at or above the lower action value. To obtain an accurate noise assessment, full octave band sound analysis should be carried out and then matched with the attenuation values offered by the various kinds of hearing protectors available.

In order to simplify the selection procedure, a single number rating (SNR) is given as a guide for each model of hearing protector but this should mainly be used for comparison purposes and is not intended to be a substitute for doing a full frequency analysis in noise critical areas.

If using the SNR to establish which hearing protector is suitable, it can be done by subtracting the SNR from the actual noise being produced. For example, if the noise level in a particular environment has a weighted noise measurement of 100dba and the hearing protection has an SNR of 30db, when wearing the hearing protection in the same environment the noise level will be reduced to 70db.

The importance of wearing hearing protection really only becomes apparent over a period of time, so assessing and wearing the correct hearing protection for your particular environment will minimise the risk of an individual losing their ability to hear properly in future.

LOWER  
ACTION  
VALUE

80

Average dBA

Peak dBC

135

Hearing protection should be made available

UPPER  
ACTION  
VALUE

85

Average dBA

Peak dBC

137

Hearing protection must be worn

MAXIMUM  
LIMIT  
VALUE

87

Average dBA

Peak dBC

140

Hearing protection must be worn before entering the area

Pictured:  
HP7300HV Ear Defenders  
- page 49  
EW1802 FUJI Goggles  
- page 26

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## 6000+ SERIES FOAM EARPLUGS

### KEY FEATURES

- 6000 Foam Earplugs – our classic yellow disposable foam earplugs, packed in a dispensing box for greater convenience
- Dispenser box of 200 individually wrapped pairs
- Simple roll-to-fit application
- Dispensing box fits into HPHAPD wall dispenser – for wall mounted dispensing

Created using unique formula slow recovery foam, the Model HP6000+ earplug provides an excellent combination of comfort and protection. Once in the ear, the foam gently expands to provide a snug and secure custom fit.



### HP6000+

Bullet shaped soft foam ear plugs in dispenser box with 200 pairs.

**APPROVAL:** BS EN352-2:2020



200 individually packaged pairs



### HP6060+

Bell shaped soft foam ear plugs in dispenser box with 200 pairs.

**APPROVAL:** BS EN352-2:2020



### HP6001+

The HP6001+ has all the benefits of the HP6000+ with the addition of a soft cord to make them easier to use and hold onto.

Supplied in dispenser box with 200 pairs.

**APPROVAL:** BS EN352-2:2020



## BF6000 Original Earplug With new and innovative paper packaging



### FOAM EARPLUGS

#### KEY FEATURES

- Innovative Plastic Free packaging
- BF6000 Foam Earplugs – yellow disposable foam earplugs, packed in a dispensing box
- Dispenser box of 200 individually packaged pairs
- Simple roll-to-fit application

Using slow recovery foam, the Model BF6000 earplug provides an excellent combination of comfort and protection. Once in the ear, the foam gently expands to provide a snug and secure custom fit.



200 individually packaged pairs

### BF6000

Bullet shaped soft foam ear plugs individually packaged in a plastic free packaging within a dispenser box of 200 pairs.

**APPROVAL:** BS EN352-2:2020



### BF6008

Bullet shaped soft foam ear plugs in 500 pair refill pack.

**APPROVAL:** BS EN352-2:2020



contains 100 pairs

### BF6009

Bullet shaped soft foam ear plugs in a conveniently packaged Toolbox Pack of 100 pairs.

**APPROVAL:** BS EN352-2:2020







## 7000 SERIES FOAM EARPLUGS

### KEY FEATURES

- Betafit Foam Earplugs – green disposable foam earplugs, packed in a dispensing box for greater convenience
- Dispenser box of 200 individually wrapped pairs
- Simple roll-to-fit application
- Dispensing box fits into HPHAPD wall dispenser – for wall mounted dispensing

The Betafit 7000 earplug has the highest SNR in the range - with 37db and 38db SNR. The soft PU material allows easy compression to insert and mould to the shape of the ear canal. It will then slowly expand to create a seal that protects the wearer from excessive noise.



200 individually  
packaged pairs



### HP7000

Bullet shaped high decibel soft foam earplugs in dispenser box with 200 pairs.

**APPROVAL:** BS EN352-2:2020



### HP7060

Bell shaped high decibel soft foam earplugs in dispenser box with 200 pairs.

**APPROVAL:** BS EN352-2:2020



### HP7001

The HP7001 has all the benefits of the HP7000 with the addition of a soft cord which allows the plug to rest flat rather than twist up when not fitted. Supplied in dispenser box with 200 pairs.

**APPROVAL:** BS EN352-2:2020



## EARPLUG BULK DISPENSER

### KEY FEATURES

- Holds up to 500 pairs of earplugs
- Easily dispenses earplugs at a single turn, avoiding any unnecessary waste
- Can be mounted to a wall or placed on a flat surface
- Select your choice of earplugs from the Betafit refill options below to suit your protection needs

### HP7007BK

Sturdy design and compact in size, the empty ear plug dispenser is perfect to fill with your Betafit earplugs of choice. At 45cm high the HP7010 is an ideal size for any environment and can be positioned on a workstation or mounted to a wall.



supplied empty or  
filled on request



### HP6008+

Bullet shaped soft foam ear plugs in 500 pair refill pack.

**APPROVAL:** BS EN352-2:2020



### HP7008

Betafit HP7000 Foam Earplugs Refill Pack of 500 pairs

**APPROVAL:** BS EN352-2:2020



### HP6068+

Bell shaped soft foam ear plugs in 500 pair refill pack.

**APPROVAL:** BS EN352-2:2020



### HP7068

Betafit HP7060 Foam Earplugs Refill Pack of 500 pairs

**APPROVAL:** BS EN352-2:2020







## CORDED REUSABLE TPR EARPLUGS PACK OF 50

### HP6080

The Model HP6080 ear plug is a triple flange, re-usable design. Whilst these can be used individually, they are commonly used with the robust cord supplied which 'plugs-in' to the earplug, allowing the user to hang these around the neck when not in use and preventing accidental loss.

#### KEY FEATURES

- Very soft and flexible conical flange design provides a secure fit
- No need to roll - more hygienic
- Washable and reusable
- Soft detachable cord

**APPROVAL:** BS EN352-2:2002



## FOAM EARPODS BAND PACK OF 20

### BF6005

Lightweight and durable, the HP6005 is ideal for intermittent usage.

#### KEY FEATURES

- Betafit Banded Earpods provide a lightweight semi-aural protection, ideal for intermittent usage
- Connecting headband allows easy fit & removal
- Packaged with 1 pair of replacement earpods
- Designed to be worn under the chin or behind the neck

**APPROVAL:** BS EN352-2:2020



## ADJUSTABLE FOAM EARPODS BAND PACK OF 20

### HP6015

Lightweight and durable, the HP6015 is ideal for intermittent usage.

#### KEY FEATURES

- Banded Earpods are a comfortable option for when hearing protection is required only intermittently
- Connecting band allows easy fit and removal
- Designed to be worn under the chin or behind the neck

**APPROVAL:** BS EN352-2:2002



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**08455 444 000** or email [sales@betafit.com](mailto:sales@betafit.com)



**Pictured:**  
BF6250BK Ear Defenders  
- page 48  
EW2832 Goggles & Visor  
- page 26





## STANDARD EAR DEFENDER

### KEY FEATURES

- The tried and trusted standard ear defender.
- Betafit Standard Ear Defender combines lightweight design with durability
- Lightweight, easily adjustable Ear Defender
- Comfort foam ear cushions
- Robust design

### BF6100

The functional and robust design of the Model BF6100 ear defender makes it very popular for many industrial applications.

Adjustable with a contour band to fit the head comfortably, the BF6100 is ideal for almost any worksite.

**APPROVAL:** BS EN352-1:2020



## STANDARD COMFORT EAR DEFENDER

### KEY FEATURES

- Betafit Standard Comfort Ear Defender combines lightweight design with practicality
- Lightweight, easily adjustable Ear Defender
- Comfort foam ear cushions
- Durable design

### BF6110

The strong and comfortable design of the Model BF6110 ear defender makes it very popular for many industrial applications.

**APPROVAL:** BS EN352-1:2020



## HEAVY DUTY FOLDING EAR DEFENDER

### KEY FEATURES

- Betafit heavy duty Ear Defender offers premium protection and comfort with its superior fit and high attenuation
- Heavy duty defender suitable for demanding industrial application
- Durable and adjustable headband, cushioned for extra comfort
- Extra soft foam ear cushion
- Can be folded to a compact storage size
- Available in black and hi vis yellow

### BF6250BK

The black heavy duty Model BF6250 is designed to last and suitable in most work environments.

**APPROVAL:** BS EN352-1:2020



Foldable for  
easy storage



### BF6250HV

The Hi Vis Model BF6250HV is a hard wearing ear defender with increased visibility.

**APPROVAL:** BS EN352-1:2020



## HEAVY DUTY FOLDING EAR DEFENDER HI VIS

### KEY FEATURES

- Hi Vis Yellow to assist identification
- Robust defender suitable for many different applications.
- Adjustable metal headband, cushioned for extra comfort
- Thick soft foam ear cushions
- Can be folded to a compact storage size

### BF6150HV

The heavy duty Model BF6150HV is designed to perform.

**APPROVAL:** BS EN352-1:2020





SNR  
37dB

## LOW PROFILE EAR DEFENDER HI VIS

### KEY FEATURES

- Low-profile headband
- Lightweight, easily adjustable Ear Defender
- Comfort foam ear cushions
- Durable and robust design

### HP7350HV

When being Highly Protected & visible is vital. The HP7350HV is part of the Ear Defender range. It has the additional benefit of being highly visible combining Hi Viz cups and reflective headband that is ideal when being visible is important.

**APPROVAL:** BS EN352-1:2002

■ Ideal for wearing  
with bump caps

SNR  
37dB

## SUPERIOR III PREMIUM EAR DEFENDER HI VIS

### KEY FEATURES

- Betafit Superior Ear Defender combines lightweight design with exceptional performance
- Padded high comfort headband
- Lightweight, easily adjustable Ear Defender
- Comfort foam ear cushions
- Durable and robust design

### HP7300HV

The HP7300HV combines the highest protection and exceptional comfort. The HP7300HV ear defender has the highest SNR in the Betafit range. Having a Hi Viz comfort headband and Hi Viz soft ear cups, comfort is not compromised by performance.

**APPROVAL:** BS EN352-1:2002

SNR  
37dB

## SUPERIOR III PREMIUM EAR DEFENDER

### KEY FEATURES

- Betafit Superior Ear Defender combines lightweight design with exceptional performance
- Padded high comfort headband
- Lightweight, easily adjustable Ear Defender
- Comfort foam ear cushions
- Durable and robust design

### HP7300

The HP7300 combines the highest protection and exceptional comfort. The HP7300 ear defender has the highest SNR in the Betafit range. Having a Hi Viz comfort headband and soft ear cups, comfort is not compromised by performance.

**APPROVAL:** BS EN352-1:2002

SNR  
29dB

## ELECTRONIC COMMUNICATION EAR DEFENDER

### KEY FEATURES

- Comfort design for all day use
- 31db noise protection with intelligent environmental listening regulator
- Low noise microphone attachment
- Built in hi fidelity speakers
- Bluetooth connectivity to keep communicating in high noise environments
- Extra soft foam ear cushions
- Easy charging with USB-C connector

### HP9000

The intelligent HP9000 combines the safety of an ear defender with the technology of a headset to keep you connected and able to communicate in high noise environments.







# DETECTABLE PROTECTION

Detectable safety products are essential in the food industry to maintain the highest standards of safety, hygiene, and quality control. These specially designed items are made from materials that are metal or X-ray detectable, ensuring they can be identified and removed if accidentally introduced into the food production process.

## CORDED REUSABLE TPR DETECTABLE EARPLUGS PACK OF 50

### BF6081

The Model BF6081 earplug is a detectable triple flange, re-usable design.

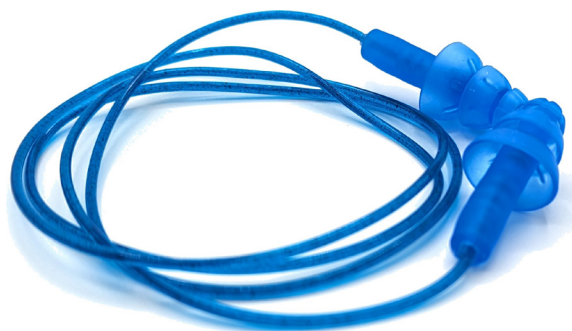
#### KEY FEATURES

- Metal detectable corded TPR reusable earplug
- Unique patented pressure release flange
- No need to roll - more hygienic
- Washable and reusable

**APPROVAL:** BS EN352-2:2020



Both earplug and cord are detectable



## DETECTABLE EYEWEAR

### EW7332KND

The ultimate safety spectacle for a detectable requirement, featuring blue light blocking technology to lessen eye strain.

#### KEY FEATURES

- Metal detectable safety eyewear
- Blue light blocking technology
- KN coated lens
- Soft frame for a comfortable fit and a great seal

**APPROVAL:** EN166 2001

**LENS:** CLEAR KN WITH BLUE LIGHT TECHNOLOGY



## Corded fully detectable earplugs With new and innovative 100% detectability, even in pieces.



Magnet



## CORDED REUSABLE TPR DETECTABLE EARPLUGS PACK OF 50

### HP7081

The Model HP7081 ear plug is a 100% detectable triple flange, re-usable design.

#### KEY FEATURES

- Metal detectable corded TPR reusable earplug
- 100% detectable
- No need to roll - more hygienic
- Washable and reusable

**APPROVAL:** BS EN352-2:2020



Both earplug and cord are detectable

## CORDED DISPOSABLE PU DETECTABLE EARPLUGS

### HP7041

The Model HP7041 is a 100% detectable disposable PU earplug. Supplied in a box of 200 pairs.

#### KEY FEATURES

- Metal detectable corded PU reusable earplug
- 100% detectable
- Easy roll to fit

**APPROVAL:** BS EN352-2:2020

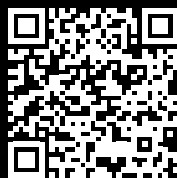


Both earplug and cord are detectable





# HEAD PROTECTION



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**BETAFIT**  
INNOVATIVE PPE EXPERTS

HEAD PROTECTION

The head is one of the most vulnerable areas to injury, especially in hazardous environments. Head protection is a simple yet essential measure for safeguarding your life, and ensuring long-term safety.

## UNDERSTANDING HELMET CERTIFICATION

**EN 12492:**  
Climbing and Mountaineering

**EN 397:**  
Helmet for industrial use

Designed for different environments, these two standards have distinct design and performance criteria. To comply with a standard, the helmet must satisfy all its specific design and performance criteria.

The variation in design requirements between the two standards prevents dual certification and may result in only partial compliance with both.

**EN 50365:**  
Low-voltage protection

EN 50365 specifies the requirements for electrically insulating helmets used in low-voltage installations. These helmets are designed to protect workers from electric shocks and prevent dangerous current passing through the head in environments with voltages up to 1,000 V AC or 1,500 V DC.

## FEATURES TO CONSIDER WHEN PURCHASING A SAFETY HELMET

A good safety helmet is designed to provide optimal protection, comfort, and functionality in hazardous environments:

- Impact Resistance
- Chin Strap for Stability
- Ventilation
- Side and Front Protection
- Accessory Compatibility
- Maintenance and Lifespan
- Proper Fit and Comfort
- Lightweight Design
- Durability and Resistance
- Visibility Features
- Compliance with Safety Standards
- Electrical Protection (where required)

Pictured Helmet:  
Betafit Air (attachments  
also available)  
see page 56



Enhance your brand by having your logo printed on your helmets through the PrintPro printing service.  
**For more info see page 59**

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## HEAD TORCH

### HW6230

- 300 Lumens torch with multiple settings, including gesture on/off control for hands-free usage
- Supplied with adjustable strap, and helmet mount to use if preferred.
- Includes USB recharge cable.

1000  
LUMENS

## HELMET MOUNTED HEAD TORCH

### HW6530

- Incredible 1000 Lumens torch with multiple settings.
- Supplied with adjustable strap.
- Includes rear-facing red light for added visibility.
- Includes USB recharge cable.



## HELMET MOUNTED VISOR CLEAR AND SMOKE

### HW6220 CLEAR HW6223 SMOKE

Made of high quality Polycarbonate materials.

**APPROVAL:** ISO 16321-1:2022

## HELMET MOUNTED EAR DEFENDERS

### HW6210

Designed to fit the Betafit Terrain &amp; Betafit Air helmets.

**APPROVAL:** EN352-3:2020PrintPro  
logo service

## BETAFIT AIR SAFETY HELMET

### KEY FEATURES

- High impact ABS plastic shell
- Rapid-dial ratchet adjustment
- Adjustable 6-point suspension system
- Sliding switch for ultimate ventilation & cooling
- Head-torch clips

### HW6280

The perfect helmet for working at height.

**APPROVAL:** EN12492:2012Fully  
RecyclableComfort harness with  
removable and washable  
padding.PrintPro  
logo service

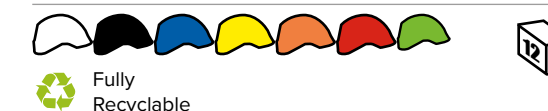
## BETAFIT TERRAIN SAFETY HELMET

### KEY FEATURES

- High impact ABS plastic shell
- Rapid-dial ratchet adjustment
- Adjustable 6-point suspension system
- Sliding switch for ultimate ventilation & cooling
- Head-torch clips

### HW6200

The essential helmet for groundworking with an incredibly comfortable fit and superior quality.

**APPROVAL:** EN397:2012 + A1:2012Fully  
Recyclable





# Diamond



## The Ultimate in Safety Helmets.

### KEY FEATURES

- ABS external shell material
- Adjustable size system for a perfect fit
- Quick release chin strap buckle
- Security device release system
- Headlamp clips
- Removable chinstrap
- Removable and washable inner paddings
- Optional ear defenders and visor attachments
- Glow-in-the-dark colour options available



### D180

The diamond helmet-mounted ear defenders have a unique ergonomic shape for the perfect fit around the ear to give the best possible performance.

**APPROVAL:** EN352-3:2020



### D100

The wrap-around diamond visor adds eye protection to your diamond helmet with an easy clip-on design. Can be flipped up when not required.

**APPROVAL:** EN166



### D051

Reflective stickers kit of 10 pieces for Diamond helmets.



PrintPro  
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## Diamond<sup>4</sup>

### PREMIUM SAFETY HELMET

#### D300

The ultimate vented safety helmet with removable chinstrap and washable inner padding. Superb comfort head harness with removable padding for ultimate comfort and hygiene.

**APPROVAL:** EN397:2012 + A1:2012



PrintPro  
logo service

## Diamond<sup>5</sup>

### PREMIUM WORKING AT HEIGHT SAFETY HELMET

#### D350

The ultimate vented working at height safety helmet with removable chinstrap and washable inner padding. Exceptional comfort head harness with replaceable padding for ultimate comfort and hygiene.

**APPROVAL:** EN12492:2012



PrintPro  
logo service

## Diamond<sup>6</sup>

### PREMIUM ELECTRICAL SAFETY HELMET

#### D380

The ultimate non-vented high-voltage safety helmet with removable chinstrap and washable inner padding. Superb comfort head harness with removable padding for ultimate comfort and hygiene.

**APPROVAL:** EN397:2012 + A1:2012 & EN50365 (Class 0)







Betafit have invested in the best pad-printing technology that lasts the lifetime of the safety helmet.

Completed in-house so you can rest assured that everything has passed our quality control.



### QUICK AND EASY PRINTING IN JUST A FEW STEPS:

1. Email us your hi-res logo to [printpro@betafit.com](mailto:printpro@betafit.com)
2. Receive a proof file from Betafit to sign off, complete with your unique reference
3. Place your order using the unique reference code provided on the signed-off proof.
4. Printing plates are created in-house and kept for future use

PRINT PROOF		
 FRONT	 SIDE	 BACK
CUSTOMER: COMMENTS:		APPROVED: Sign: Name:
BETAFIT		

## INTRODUCING THE BETAFIT HELMET PRINTING SERVICE

Enhance your brand by having your logo printed on your helmets through the PrintPro printing service.



### WHAT YOU GET

- Print logos or names on your helmets
- Up to four colours per logo
- Four location printing
- Fast proofing



### What is the end-of-life solution for your safety helmets?

#### Betafit's Safety Helmet Recycling Service



Pack of 5 helmet recycling boxes.  
Delivered flat-packed.

**PRODUCT CODE:** RB05

refer to page 4 for more details



For customer support or questions contact us on  
08455 444 000 or email [sales@betafit.com](mailto:sales@betafit.com)





## LOW PROFILE COMFORT BUMP CAPS

### KEY FEATURES

- Hi Vis beading on peak & sides for better visibility
- Lightweight bump cap at 176grms
- Ventilation on each side for less heat build up
- Flexible inner shell to improve comfort
- Reduced peak for greater field of vision

### HW8150NY

Betafit Navy low profile comfort bump cap.

APPROVAL: EN 812:2012



### HW8150BK

Betafit Black low profile comfort bump cap.

APPROVAL: EN 812:2012



### HW8150HV

Betafit Hi Vis low profile comfort bump cap.

APPROVAL: EN 812:2012



### HW8150OR

Betafit Hi Vis Orange low profile comfort bump cap.

APPROVAL: EN 812:2012



## Betafit Elite Bump Caps

### The ideal combination of comfort, safety and practicality.

### KEY FEATURES

- Curved side design to allow for easy fitting of ear defenders.
- Hi Vis tape on both sides
- Ventilation on each side for less heat build up
- Specially designed segmented inner shell to improve comfort and give extra flexibility
- 5cm peak for greater field of vision

### HW9100HVO

Betafit Elite Orange bump cap.

APPROVAL: EN 812:2012



### HW9100BK

Betafit Elite Black bump cap.

APPROVAL: EN 812:2012



### HW9100NY

Betafit Elite Navy bump cap.

APPROVAL: EN 812:2012







# RESPIRATORY PROTECTION



BETAFIT.COM

**BETAFIT**  
INNOVATIVE PPE EXPERTS

## THE 5 RESPIRATORY WORKPLACE HAZARDS

One of the biggest problems with respiratory risks is understanding that they are often invisible and can affect you without your immediate knowledge. Respiratory issues can bring lifelong problems and making sure you're aware of the risks is extremely important. The five respiratory workplace hazards are:



### DUST

Dust is created when solid materials are broken down into fine particles. The type of RPE required is an FFP (Filtering Face Piece) and the level of protection depends on the contaminant and the concentration levels.



### GASES

A gas is created at room temperature and travels very quickly and over a great distance. Disposable RPE are not suitable and RPE carrying the Yellow band on the cartridge should be used.



### MIST

When liquid turns into tiny droplets by atomisers or condensation during such applications as a spraying process. A water or oil based mist requires an FFP (Filtering Face Piece) and the level of protection depends on the contaminant and the concentration levels.



### VAPOURS

Vapours are the gaseous state of a substance that is produced through evaporation. Disposable RPE can only be used if the level of concentration is below the WEL. Suitable RPE with a Brown Band (Organic) or Grey Band (Inorganic) on the cartridge should be used.



### FUMES

When a solid material is subjected to intense heat, it vaporises and cools extremely quickly into very fine particles. An FFP2 or FFP3 (sometimes with a charcoal inlay) are often suitable, but is dependent on the concentration level.

The BETAFIT range of disposable respirators only protect against DUST, MIST and FUMES. If protection is required to protect from GAS and VAPOUR and the concentration is above the WEL (Workplace Exposure Limit), a respirator with the appropriate cartridge should be used.

### APF - ASSIGNED PROTECTION FACTOR

A level of protection expected to be achieved when using the RPE correctly in the workplace.

### WEL - WORKPLACE EXPOSURE LIMIT

A level of contamination (set by the HSE) of the concentration of an airborne substance, above which level precautions must be taken if exposure takes place.





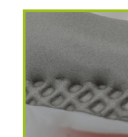
## RESPIRATOR SELECTOR GUIDE

STANDARD: EN149:2001 + A1:2009	FFP1 NR	FFP2 NR (VALVE)	FFP3 NR (VALVE)
APF (ASSIGNED PROTECTION FACTOR)	4 X WEL	10 X WEL	20 X WEL
PRODUCT CODE	RP2010 / RP2110	RP2020V / RP2120V	RP2030V / RP2130V
SWEEPING	•		
GENERAL DUSTY DUTIES	•		
MACHINING (OIL MIST)		•	
PAINT REMOVAL (SANDING)		•	
RUST REMOVAL (SANDING)		•	
SITE PREPARATION (DEMOLITION)		•	
LOFT INSULATION WORK (FIBREGLASS)		•	
STAINLESS STEEL WELDING		•	
MIG/TIG WELDING		•	
CONCRETE CUTTING			•
SITE CONSTRUCTION (GRINDING)		•	•
WOODWORKING (ROUTING, SANDING, CUTTING)		•	•
MDF & HARDWOODS		•	•
LEADWORK		•	•
ASBESTOS (HANDLING AND INSPECTION WORK ONLY, NOT SUITABLE FOR STRIPPING)			•
FOOD (FLOUR & FOOD INGREDIENTS)		•	•
VIRUS PROTECTION			•
PAINT SPRAYING (WATER BASED)		•	•
DRY LINING WORK			•
SILICA DUST			•

The above information is intended as guidance only. Selection is dependent on the actual exposure levels. A full risk assessment is required to establish the correct level of protection suitable for the application. This assessment and the selection of appropriate RPE is the responsibility of the employer.

## Betafit 3030V Valved Respirator

The premium mask that the safety industry has trusted for 20 years.



Superior Inner Seal

### BF-3030V

The legendary BF-3030V mask offers a fit unlike any other. Its unique seal makes the mask incredibly easy to fit test.

The BF-3030V is made using superior materials to create a mask that exceeds consumer expectations and provides the ultimate in comfort and reliable protection.

### FFP3V PREMIUM MOULDED RESPIRATOR WITH VALVE

#### KEY FEATURES

- Full inner gasket to improve comfort and protection
- Low breathing resistance
- Four-point strap adjustment

### BF-3030V

**APPROVAL:** EN149:2001 + A1:2009 FFP3 NR

**APF:** 20



▲ Ideal fit for smaller faces



### SMALL FIT FFP3V MOULDED RESPIRATOR WITH VALVE

#### KEY FEATURES

- Full inner gasket and low breathing resistance
- Four-point strap adjustment

### BF-3030VSF

**APPROVAL:** EN149:2001 + A1:2009 FFP3 NR



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## FFP3V NR D PREMIUM MOULDED RESPIRATOR WITH VALVE

### BF-2030V

Our trusted disposable mask, the FFP3V combines multiple design features, ergonomic styling and superior materials, to create a mask that exceeds consumer expectations and provides ultimate comfort and protection

**APPROVAL:** EN149:2001 + A1:2009 FFP3 NR

**APF:** 20



## FFP2V PREMIUM MOULDED RESPIRATOR WITH VALVE

### RP2020V

The RP2020V offers many of the features as the FFP3 model, including an inner gasket and fully adjustable headstrap which is often overlooked at the FFP2 level of protection.

**APPROVAL:** EN149:2001 + A1:2009 FFP2 NR

**APF:** 10



## FFP3 WELDED SEAM FOLD FLAT RESPIRATOR WITH VALVE

### RP2130V

The RP2130V has all the features of the 2100 series and offers the highest level of protection. It benefits from a great fit and very low breathing resistance making it more comfortable to wear for longer periods.

**APPROVAL:** EN149:2001 + A1:2009

**APF:** 20



## FFP2 WELDED SEAM FOLD FLAT RESPIRATOR WITH VALVE

### RP2120V

The 2100 series fold flat mask has the latest filter technology which lowers breathing resistance for wearer comfort. The range is also individually wrapped to ensure maximum hygiene and ideal for PPE dispensing machines

**APPROVAL:** EN149:2001 + A1:2009

**APF:** 10



## FACE FIT TEST KIT IN A STURDY CARDBOARD CARRY CASE

### RPQLTK4

Face fit testing has been a requirement in COSHH (Control of Substances Hazardous to Health) since 2002 where it states that 'selection should include a fit test to ensure the wearer has the correct device.'

#### KEY FEATURES

- 1 x Test Hood
- 6 x 2.5ml Ampoule Bitrex® (bitter) Sensitivity A Solution
- 6 x 2.5ml Ampoule Bitrex® (bitter) Test B Solution
- 2 x Nebulisers
- Instructions for use
- Stopwatch
- 10 x Fit test report cards

**APPROVAL:** HSE INDG479



## TESTING KIT REFILLS

### BITTER SENSITIVITY A SOLUTION

#### RP9946

**SIZE:** 2.5ML AMPOULE



### BITTER TEST B SOLUTION

#### RP9947

**SIZE:** 2.5ML AMPOULE



### SWEET SENSITIVITY A SOLUTION

#### RP9948

**SIZE:** 2.5ML AMPOULE



### SWEET TEST B SOLUTION

#### RP9949

**SIZE:** 2.5ML AMPOULE



## SPARE TEST HOOD - WITH CLEAR SCREEN, PLASTIC COLLAR SUPPORT

### RPFFTKH





## TRAINING AND FACE FIT TESTING

It is a legal requirement that all RPE (Respiratory Protective Equipment) that is classified as “Tight Fitting” and used as PPE (Personal Protective Equipment) should be Fit Tested by a competent person to comply with the current COSHH (Control of Substances Hazardous to Health) Regulations.

It is important to follow the HSE INDG479 current guidance when face fit testing.

We support and endorse the BSIF Fit2Fit RPE fit test providers accreditation scheme, which is designed to confirm the competency of any person performing face fit testing. Betafit can provide accredited fit testers, please contact us for more information.

### AVAILABLE FACE-FIT SERVICES:

#### QUALITATIVE TRAIN THE TESTER COURSE

##### INTERNAL

**PRODUCT CODE:** TRQ100

#### QUALITATIVE TRAIN THE TESTER COURSE

##### EXTERNAL

**PRODUCT CODE:** TRQ200

#### APC TRAIN THE TESTER COURSE INTERNAL

**PRODUCT CODE:** TRA300

#### APC TRAIN THE TESTER COURSE EXTERNAL

**PRODUCT CODE:** TRA400

#### QUALITATIVE FIT TESTING (TASTE) UP TO 7 STAFF

(1/2DAY)

**PRODUCT CODE:** TRQ500

#### QUALITATIVE FIT TESTING (TASTE) UP TO 15 STAFF

(1 DAY)

**PRODUCT CODE:** TRQ600

#### QUANTITATIVE FIT TESTING (APC) UP TO 7 STAFF

(1/2DAY)

**PRODUCT CODE:** TRA700

#### QUANTITATIVE FIT TESTING (APC) UP TO 15 STAFF

(1DAY)

**PRODUCT CODE:** TRA800

## WHY FIT TEST?

Face fit testing has been a requirement in COSHH (Control of Substances Hazardous to Health) since 2002 where it states that ‘selection should include a fit test to ensure the wearer has the correct device’

There is no one mask that will fit everyone, so it is important that all tight fitting RPD's (Respiratory Protective Device) being used to protect the wearer is fit tested. All fit testing should be carried out in accordance with HSE INDG479, and, by a competent person. We have fully qualified Fit2Fit Accredited staff who will train your staff to carry out fit testing or we can complete your fit testing requirements on site or at our fully equipped training centre.

## TRAIN THE TRAINER

We are able to offer ‘Train the Trainer’ courses in both the Qualitative (taste) and Quantitative methods (APC) by very experienced and Fit2Fit Accredited trainers. Delivered at your preferred site/premises, alternatively at any of our national training facilities.

A comprehensive Train the Trainer for both Qualitative (taste test) and Quantitative (APC) methods that covers all aspects of the HSE INDG479 guidance.

The TTT (Train the Trainer) courses includes practical sessions, selection & maintenance of RPD's (Respiratory Protective Device), product use awareness and troubleshooting.

After completion of a practical demonstration and written test all attendees will receive a certificate of training.

## RPE FIT TESTING

Using either the Qualitative (taste test) or the Quantitative (APC) method Betafit can carry out your fit testing requirements. All tight fitting RPE can be tested at your site/premises or at our facility in Alton or London.

## WHY BETAFIT?

- Expertise & knowledge
- Fully equipped training facility
- Options to meet your needs
- Competitive



BETAFIT WILL NOT BE LIABLE TO YOU UNDER ANY LEGAL THEORY, WHETHER IN WARRANTY, CONTRACT, STRICT LIABILITY, OR NEGLIGENCE, FOR ANY DAMAGES, CLAIMS, INJURIES, JUDGMENTS, COSTS, OR LIABILITIES OF ANY KIND ARISING OUT OF OR RELATED TO YOUR USE OR MISUSE OF OUR PRODUCTS, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, DAMAGE TO PROPERTY, LOSS OF BUSINESS, LOSS OF INCOME, SPECIAL DAMAGES, INCIDENTAL DAMAGES, CONSEQUENTIAL DAMAGES, PUNITIVE DAMAGES, OR EXEMPLARY DAMAGES, WHETHER FORESEEABLE OR UNFORESEEABLE. IN NO EVENT WILL BETAFIT'S LIABILITY EXCEED THE VALUE OF THE PRODUCT(S) SOLD.