

uvex

PROTECTING PEOPLE



uvex silv-Air c

Perfect protection, ease of use

Protecting People

Committed to our mission

Many people are subject to specific hazards in the course of their daily work – including fine dust, noise, falling objects, hazardous chemicals, viruses and bacteria.

Our mission is to protect people from these hazard and as a systems provider with world class manufacturing expertise, we set great store by the protection levels our products provide. Our innovative PPE products provide world-class protection and maximum wearability, so ensuring that people feel comfortable and safe from head to toe. For this reason we consider that individual consultation and knowledge transfer, together with a range of dedicated services is essential to fulfil our commitment to wearers of uvex products.

It is part of our corporate philosophy to develop our ranges continuously over time and our latest product range, uvex silv-Air, is a family of highly functional filtering face masks for a wide variety of applications.

From functional filtering face masks which protect against dust and fume, to specialised masks that feature additional filters to make breathing noticeably easier. Highly effective as either a folding mask or preshaped mask, uvex silv-Air guarantees reliable protection, even over longer periods of use, thanks to innovative filter technology and a real advance in comfort!

Whatever industry and application the uvex silv-Air range is used in, the wearer will experience a new standard of comfort and fit together with an outstanding level of protection.



Manufacturing expertise

The logical consequence of delivering our mission



UVEX SAFETY GROUP GmbH & Co. KG is expanding its areas of expertise in the production of personal protective equipment with a strategic partnership with a European manufacturer of fleece.

Access to the entire value chain enables the use of innovative, high-quality materials, while continuous development of manufacturing processes guarantees disposable face masks of the highest quality.



uvex silv-Air c – high-performance filter, low breathing resistance

How particle-filtering face masks work

Particle-filtering face masks protect against solid aerosols. The densely woven filter fabric prevents solid materials from passing through due to their particle size. The internal layers are electrostatically charged, so hazardous materials adhere to them and cannot be inhaled.

In environments with a high volume of hazardous materials, masks can “clog-up” during use. Breathing resistance increases

as the 15th volume of particulates is absorbed by the filter material and when breathing becomes difficult the old mask should be replaced.



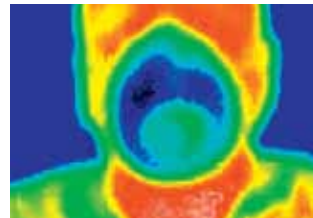
Filter layers

Breathing resistance

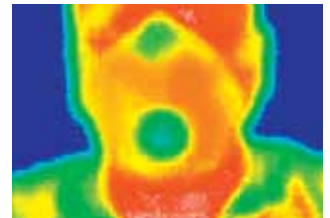
In addition to an excellent fit and soft material edges, low breathing resistance is the key factor in determining mask comfort and therefore the willingness to wear a particle-filtering face mask.

The carefully chosen combination of highly functional filter materials used in the uvex silv-Air c range provides maximum protection while making breathing easier.

Thermal imaging of the silv-Air c pre-formed mask (art. no. 8732.210, FFP2 / N95 with exhalation valve) illustrates the functionality of the filter materials while breathing.



Inhaling – cool surrounding air (blue) is inhaled



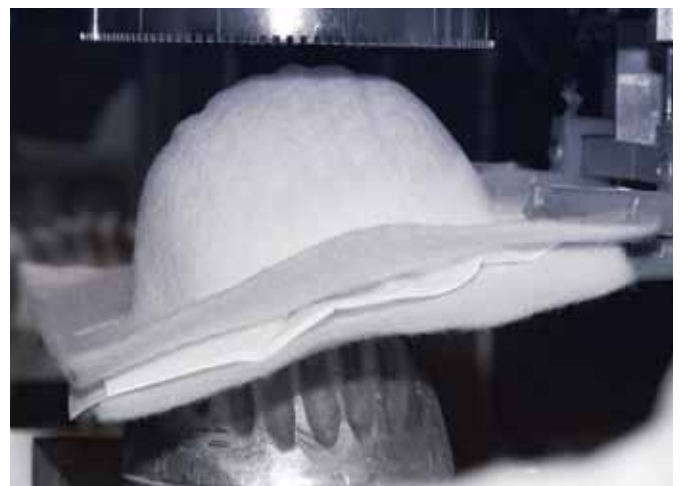
Exhaling – warm air (orange-red) is exhaled

Materials and processing

The uvex silv-Air c range was developed specifically with comfort in mind. uvex fine-dust filter technology ensures the individual layers “clog-up” at a slower rate.

All products have successfully passed the penetration test under controlled temperature conditions in accordance with EN 149.

All products also bear the “D” symbol, which confirms that the masks can absorb an extremely high volume of materials with only a minimum increase in breathing resistance. The “D” symbol is defined by the absorption (7.17) of dolomite dust in the EN 149 standard.



Performance parameters, materials/applications

PRODUCTS	FFP 1	FFP 2 / N95	FFP 3
Asbestos: shorter periods of work, taking samples			x
Work with fungal spores, bacteria and powder			x
Radioactive particles			x
Using pesticides (particles)			x
Laying insulation material (e.g. fibreglass)		x	
Quartz dust (stonemasonry)		x	
Sanding, cutting, milling, drilling, angle grinding, sawing		x	
Cement dust	x		
Power plant retrofitting and filter cleaning		x	
Wood processing (oak, beech, tropical)			x
Refuse incineration (dioxins/furans)			x
Flour dust (food industry)	x		
Demolishing walls, stone, concrete	x		
Paper dust (printing)	x		
Fine coal particles in power plants	x		
Sewage treatment		x	
Mining		x	
Battery production			x
Welding aluminium materials			x
Soldering, welding, casting			x
Light facade maintenance	x		
Resin and adhesive processing (with sufficient ventilation)		x	
Infectious agents (contact with blood)			x
Cooling lubricants (pressing, drawing, drilling)		x	
Applying pesticides (particles)			x
Cytostatics (cancer therapy)			x
Hospitals/emergency medical assistance			x
Airborne influenza infections (medical staff, work with coughing patients, bronchoscopies, intubation and suction)			x
Agricultural and forestry		x	
Refuse separation, recycling (bacteria, spores, odours)		x	

These filter classes are minimum requirements and only serve as a guide. It is the wearers' responsibility to make sure the breathing apparatus conforms to the requirements in terms of hazardous materials and concentration!

Particle filters are divided into three classes:

- FFP 1** for particles that are neither toxic nor associated with fibrosis. For protection of up to 4 times the corresponding threshold value (MAK*).
- FFP 2 / N95** for hazardous or harmful particles, steam and fume; filters for solid and liquid particles with a medium filtering level. For protection of up to 10 times the corresponding threshold value (MAK*, TRK**).
- FFP 3** for poisonous particles, steam and fume; filters for solid and liquid aerosols with a high filtering classification. For protection of up to 30 times the corresponding threshold value (MAK*, TRK**).

Areas of application:



Woodwork



Angle grinding



Machine sanding



Manual sanding



Drilling



Welding



Unpleasant odours

uvex silv-Air c

An overview of breathing protection classes

PROTECTION CLASS FFP1		PROTECTION CLASS FFP2 / N95		PROTECTION CLASS FFP3	
Folding masks	Pre-formed masks	Folding masks	Pre-formed masks	Folding masks	Pre-formed masks
					
uvex silv-Air c 3100	uvex silv-Air c 2100	uvex silv-Air c 3200	uvex silv-Air c 2200	uvex silv-Air c 3310	uvex silv-Air c 2310
					
uvex silv-Air c 3110	uvex silv-Air c 2110	uvex silv-Air c 3210	uvex silv-Air c 2210		
					
		uvex silv-Air c 3220 with Carbon	uvex silv-Air c 2220 with Carbon		



The uvex silv-Air c filtering face mask range is suitable for protection against solid and liquid aerosols, dust, mist and fume, but does not provide sufficient protection against gases and steams above the threshold level!

All filtering face masks have been tested and certified in accordance with EN 149, "Respiratory protective devices, filtering half masks to protect against particles." They conform to the EU guideline 89/686/EEC. In addition, the masks meet the highest international standards: NIOSH, AUS/NZ, SABS & GOST certified.

They are classified under the protection factor classes P1, P2 / N95 or P3 according to the filter performance and leakage value.

* MAK = maximum concentration at the workplace: MAK values are determined by the German Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area.

** TRK = technical reference concentration: the concentration of a hazardous material that can be contained by the latest technology. TRK values are applied to carcinogenic materials for which there is no MAK value available. A health risk cannot be completely ruled out.

uvex silv-Air c FFP1 & FFP2 / N95

Filtering face masks, protection class FFP1 & FFP2 / N95

Filtering face mask uvex silv-Air c

- Innovative design with an optimised shape
- Soft material edges for greater comfort and wearer acceptance
- Seamless headband for a comfortable, secure fit
- Exhalation valve for easy airflow exchange and reduces the build-up of heat and moisture inside the mask
- Adjustable nose clip ensures an excellent individual fit
- Mask fulfils the requirements of the dolomite dust test
- Compatible with uvex safety eyewear
- Upper face seal offers both secure positioning and comfort
- Activated carbon filter, suitable for welding applications available in the FFP2 / N95 (silv-Air c 2220) option



The adjustable nose clip ensures an excellent individual fit and secure positioning.



The soft material edges prevent uncomfortable pressure points.



The seamless headband can be adjusted for an optimum fit.



The exhalation valve with a 360° opening ensures very low breathing resistance and a cooling effect climate inside the mask.



The upper face seal offers both a more secure positioning of the mask and increased wearer comfort.



uvex silv-Air c FFP1 & FFP2 / N95

Filtering face masks, protection class FFP1 & FFP2 / N95

FFP1



uvex silv-Air c 3100

Type: FFP1 folding mask without valve
Colour: white
Retail unit 30 per Box
Art.-no.: 8733.100



uvex silv-Air c 2100

Type: FFP1 pre-formed mask without valve
Colour: white
Retail unit 20 per Box
Art.-no.: 8732.100



uvex silv-Air c 3110

Type: FFP1 folding mask with valve
Colour: white
Retail unit 15 per Box
Art.-no.: 8733.110



uvex silv-Air c 2110

Type: FFP1 pre-formed mask with valve
Colour: white
Retail unit 15 per Box
Art.-no.: 8732.110



uvex silv-Air c 3200

Type: FFP2 / N95 folding mask without valve
Colour: white
Retail unit 30 per Box
Art.-no.: 8733.200



uvex silv-Air c 2200

Type: FFP2 / N95 pre-formed mask without valve
Colour: white
Retail unit 20 per Box
Art.-no.: 8732.200



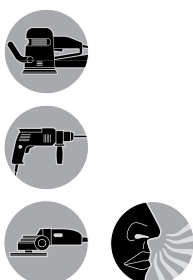
uvex silv-Air c 3210

Type: FFP2 / N95 folding mask with valve
Colour: white
Retail unit 15 per Box
Art.-no.: 8733.210



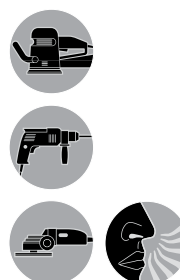
uvex silv-Air c 2210

Type: FFP2 / N95 pre-formed mask with valve
Colour: white
Retail unit 15 per Box
Art.-no.: 8732.210



uvex silv-Air c 3220 with carbon

Type: FFP2 / N95 folding mask with valve
Colour: white
Retail unit 15 per Box
Art.-no.: 8733.220



uvex silv-Air c 2220 with carbon

Type: FFP2 / N95 pre-formed mask with valve
Colour: white
Retail unit 15 per Box
Art.-no.: 8732.220

uvex silv-Air c FFP3

Filtering face masks, protection class FFP3

Filtering pre-formed face mask uvex silv-Air c FFP3

- Innovative design with an optimised shape
- Soft material edges for greater comfort
- 4-point headband for a comfortable, secure fit
- Exhalation valve for easy airflow exchange and reduces the build-up of heat and moisture inside the mask
- Adjustable nose clip to ensure an excellent individual fit
- Mask fulfils the requirements of the dolomite dust test
- Compatible with uvex safety eyewear
- Soft all-round sealing lip for a secure fit and high level of wearer comfort



The adjustable nose clip ensures an excellent individual fit and secure positioning.



The soft material edges prevent uncomfortable pressure points.



The complete all-round sealing lip improves both the positioning and comfort.



uvex silv-Air c 2310

Type: FFP3 pre-formed mask with valve

Colour: white

Retail unit 15 per box

Art.-no.: 8732.310



The 4-point headband allows the mask to be adjusted to the wearer, giving an individual comfortable and secure fit.



The exhalation valve with a 360° opening ensures very low breathing resistance and a cooling effect climate inside the mask.

Filtering folding face mask uvex silv-Air c FFP3

- Innovative design with an optimised shape
- Soft material edges for greater comfort
- The looped headband system is easy to adjust and offers a high level of wearer comfort
- Exhalation valve for easy airflow exchange and reduces the build-up of heat and moisture inside the mask
- Adjustable nose clip to ensure an excellent individual fit
- Mask fulfils the requirements of the dolomite dust test
- Compatible with uvex safety eyewear



The concealed and adjustable nose clip ensures an excellent individual fit.



The looped headband system is easy to adjust and offers a high level of wearer comfort.



The soft material edges prevent uncomfortable pressure points.



uvex silv-Air c 3310

Type: FFP3 folding mask with valve













Colour: white

Retail unit 15 per box

Art.-no.: 8733.310



uvex silv-Air c at a glance

PROTECTION CLASS FFP1		PROTECTION CLASS FFP2 / N95		PROTECTION CLASS FFP3	
Folding masks	Pre-formed masks	Folding masks	Pre-formed masks	Folding masks	Pre-formed masks
 <p>uvex silv-Air c 3100</p> <p>Type: FFP1 without valve Colour: white Retail unit 30 per box Art.-no.: 8733.100</p>	 <p>uvex silv-Air c 2100</p> <p>Type: FFP1 without valve Colour: white Retail unit 20 per box Art.-no.: 8732.100</p>	 <p>uvex silv-Air c 3200</p> <p>Type: FFP2 / N95 without valve Colour: white Retail unit 30 per box Art.-no.: 8733.200</p>	 <p>uvex silv-Air c 2200</p> <p>Type: FFP2 / N95 without valve Colour: white Retail unit 20 per box Art.-no.: 8732.200</p>	 <p>uvex silv-Air c 3310</p> <p>Type: FFP3 with valve Colour: white Retail unit 15 per box Art.-no.: 8733.310</p>	 <p>uvex silv-Air c 2310</p> <p>Type: FFP3 with valve Colour: white Retail unit 15 per box Art.-no.: 8732.310</p>
 <p>uvex silv-Air c 3110</p> <p>Type: FFP1 with valve Colour: white Retail unit 15 per box Art.-no.: 8733.110</p>	 <p>uvex silv-Air c 2110</p> <p>Type: FFP1 with valve Colour: white Retail unit 15 per box Art.-no.: 8732.110</p>	 <p>uvex silv-Air c 3210</p> <p>Type: FFP2 / N95 with valve Colour: white Retail unit 15 per box Art.-no.: 8733.210</p>	 <p>uvex silv-Air c 2210</p> <p>Type: FFP2 / N95 with valve Colour: white Retail unit 15 per box Art.-no.: 8732.210</p>		
		 <p>uvex silv-Air c 3220 with carbon</p> <p>Type: FFP2 / N95 with valve Colour: white Retail unit 15 per box Art.-no.: 8733.220</p>	 <p>uvex silv-Air c 2220 with carbon</p> <p>Type: FFP2 / N95 with valve Colour: white Retail unit 15 per box Art.-no.: 8732.220</p>		

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