



GAUTENG

+27 11 760 2185

info@saharaworkwear.com

COPYRIGHT © 2025 SAHARA WORKWEAR

importance of respiratory protection

WHY RESPIRATORY PROTECTION IS SO IMPORTANT

Any environment where people are exposed to harmful inhalants demands an appropriate level of caution in protecting the sensitive respiratory system from irritants, particles, chemicals, and viruses, which may result in illness, death and/or permanent disability.

Making safety a priority in the modern workplace has become a legal requirement, not just in terms of the long-term welfare of workers but also potential liability if rigorous health and safety standards are not properly adhered to.

Choosing the right mask for the right area of application is equally important, as much as ensuring that stringent quality, health and safety standards are met at all times.



HOW TO CHOOSE THE RIGHT MASK

Various work environments place different demands on a face mask, from simple dust filtration to hazardous materials to protection from airborne viruses. U-Mask offers a risk assessment service to advise our clients on the proper respiratory protection for their needs.

It is recommended to conduct a hazard assessment to identify potential risks and how they can be mitigated by protection classes, then move onto considerations such as fit and comfort.

MASK GUIDELINES PROTECTION CLASSES

The mask classifying system consists of three FFP (Filtering Facepiece) protection classes, which are the definitive minimum requirements in terms of Occupational Exposure Limits (OELs)*: the average concentration of a substance in the air, up to which no damage (chronic or acute) is to be expected if an employee works up to eight hours a day for five days a week.

The table on the following page serves as a broad guide to the various protection classes, but it is both the employers' and the wearers' responsibility to ensure the right FFP class is determined for hazardous and concentrated environments before use!

* OELs are intended to replace Maximum Workplace Concentration (MWC) and Technical Reference Concentration (TRC) guidelines. However, both aforementioned values are not yet fully accounted for in OELs and can still be used on an interim basis for assessing risks in the workplace.

- ✓ **Superior design**
- ✓ **Perfect fit**
- ✓ **Ultimate comfort**
- ✓ **Absolute protection down to 0.3 micron**
- ✓ **ISO 9001:2015 QUALITY MANAGEMENT SYSTEM**
- ✓ **EN149:2001 + A1:2003**
- ✓ **SANS 50149:2003**
- ✓ **NRCS Approved**



Class	Threshold	Description
FFP1	4x	Basic protection against solid and liquid particles that are not toxic, nor associated with fibrosis, nor carcinogenic, nor radioactive, nor airborne biological substances from risk group 3, nor enzymes.
FFP2	10x	Intermediate protection against hazardous and harmful, vapour and smoke particles that are not radioactive, nor airborne biological substances from risk group 3, nor enzymes.
FFP3	30x	High protection against poisonous particles, vapour and smoke; solid and liquid aerosols with a high filtering classification, bacteria and viruses, as well as radioactive materials, airborne biological substances from risk group 3, and enzymes.

U-Mask uses only the latest technology in the manufacturing of our particle filtering half masks, and offer the ultimate in disposable respiratory protective devices against a host of different particulates.

DUSTS Fine airborne particles – formed when solid matter is broken down.	MISTS Tiny liquid droplets – formed by condensation or through processes like spraying.	METAL FUMES Fine airborne metal particles – formed after metal vaporised at high temperatures condenses.	GASSES Any substance in its gaseous state – often odourless and invisible, spread freely through the air.	VAPOURS Any substance suspended in the air – often through evaporation, usually still in a liquid or solid state
--	---	--	---	--

our respiratory protection ranges

CHOOSE THE ULTIMATE IN RESPIRATORY PROTECTION

FLAT FOLD RANGE

ECONO				
	2001 FFP2 Econo	2002 FFP2 Econo Valve		
PREMIUM				
	9200 FFP2 Premium	9201 FFP2 Premium Valve	9202 FFP2 Premium Carbon Valve	9300 FFP3 Premium Valve

MOULDED CUP RANGE

ECONO		PREMIUM		
	3001 FFP2 Econo		9400 FFP2 Premium Carbon Valve	9400 FFP2 Pro-Welder

MEDICAL RANGE

SURGICAL		PREMIUM		
	11000 FFP2 3-Ply Surgical		5000 FFP2 Premium	

ECONO FLAT FOLD RANGE

2001 ECONO + 2002 ECONO VALVE

Our Economic range with protection and comfort of a premium mask. Protection against solid and liquid non-volatile particles that offers a snug fit and seal through our unique flat design is both flexible and comfortable. Well suited to a diverse group of face and nose shapes. Available with or without exhalation, the exhalation valve eases the action of breathing out, reducing both heat and moisture in the mask.

FLAT FOLD DESIGN

On the go, pocket storage

NOSE PAD

Soft sponge seal for comfort on nose bridge.

ULTRA-SOFT HYPO-ALLERGIC INNER LAYER

Reduces risk of skin rash from cross contamination and irritation due to sweat and contaminant mixture

FLUID-RESISTANT OUTER LAYER

Keeps nasty spills and liquids from penetrating the filtering media

PACKAGING

2001 ECONO | 20 Mask bodies sealed in a plastic bag.

2002 ECONO VALVE | 15 Mask bodies sealed in a plastic bag.

NOSE CLIP

3mm flexible nose clip for highest seal and comfort

ELASTANE HEAD STRAPS

Easy donning
No hair tangling
No pressure

MAXI-BREATHE VALVE

Low breathing resistance valve, release warm/humid exhaled air

ELECTROSTATICALLY CHARGED MELTBLOWNFILTERINGMEDIA

Maxi breathe filtering material offers environmental filtration and very low resistance



Class	Threshold	Description
FFP2	10x	Intermediate protection against hazardous and harmful, vapour and smoke particles that are not radioactive, nor airborne biological substances from risk group 3, nor enzymes.

AREAS OF APPLICATION				
ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Wood Processing				
Soft Wood: cutting & sanding	fine particles, wood dust		✓	
Paint: brushing & sanding	fine colour particles		✓	

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Construction and Ancillary Building Industry				
Cement: working, plastering, tiling, roofing	cement/plaster/tile/brick dust		✓	
Masonry: cutting, drilling, demolition	cement/plaster/tile/brick dust		✓	
Roof Insulation: glass/mineral fibres	dust & fibres dust		✓	
Body Fillers/Stoppers: grinding			✓	
Metalwork				
Metal: drilling, grinding, milling, angle grinding	metal dust		✓	
Waste Disposal and Cleaning				
Refuse: separation and disposal	dust/fungi		✓	
Medicine and Healthcare				
Allergies, Pollen, Household Dust, Animal Fur	dust/particles/spores		✓	

TECHNICAL DATA SHEET

GENERAL DATA

Manufacturer	U-Mask™ Solely owned by Universal Safety Products Products (Pty) Ltd, in Centurion, South Africa.
Designation	Particle Filtering Half Mask
Intended use	Protection against Solid and liquid non-volatile particles. Scope of protection is indicated by product documentation, technical standard, and installed application rules.
Standards	EN149:2001 + A1:2009 “Particle Filtering Half mask”
Approval	NRCS/8072/0247. Homologation of respiratory equipment, testing and approval by accredited and notified NRCS – National Regulator for Compulsory Specifications

DESIGN/MODEL

Material	Particle Filtering: Material:	Electrostatically Charged Meltblown Filtering Media
	Elastane Head strap:	Latex free spandex
	Nose clip:	Aluminium nose piece
	Nose Pad:	Soft Sponge
	Exhalation valve:	2001 – None 2002 – PP Plastic
Model principle	2001 + 2002 Econo Valve FFP2 NR D U-MASK consists of 4 layers, nonwoven, High electrostatic charged filtering media.	
Shelf life/Efficacy	3 years	
Dimension	127mm x 155.5mm	

PERFORMANCE

Particle performance	Standardised Testing Test aerosols: Min. Efficiency.	0,3 Micron	FFP2: EN149:2001	FFP2: U-Mask 2001 2002 98% 98% 98% 98% 0,8
		Sodium Chloride: Paraffin oil: - 30 litres/min, - 95 litres/min	94% 94% Max.0,7 Max.2,4	
	Breathing resistance Inhalation			

PACKAGING

Packing	Label: FFP2 ECONO NR: Markings in accordance with EN 149:2001 + A1:2009, expiry date, producer and approval number. Primary box contains instruction for application/use
Units per Package	Econo range is packed, multiple units sealed in a plastic bag. 2001 - 20pcs per Econo Box 2002 - 15pcs per Econo Valve box

PREMIUM FLAT FOLD RANGE

9200 PREMIUM + 9201 PREMIUM VALVE

Engineered to bring you the ultimate in Respiratory Protection and Comfort against solid and liquid non-volatile particles. Premium soft, snug fit and seal through unique flat design is both flexible and comfortable. Well suited to a diverse group of face and nose shapes. Available with or without exhalation, the exhalation valve eases the action of breathing out, reducing both heat and moisture in the mask.

FLAT FOLD DESIGN

On the go, pocket storage

NOSE PAD

Soft sponge seal for comfort on nose bridge.

ULTRA-SOFT HYPO-ALLERGIC INNER LAYER

Reduces risk of skin rash from cross contamination and irritation due to sweat and contaminant mixture

FLUID-RESISTANT OUTER LAYER

Keeps nasty spills and liquids from penetrating the filtering media

NOSE CLIP

3mm flexible nose clip for highest seal and comfort

ELASTANE HEAD STRAPS

Easy donning
No hair tangling
No pressure

MAXI-BREATHE VALVE

Low breathing resistance valve, release warm/humid exhaled air

ELECTROSTATICALLY CHARGED NON-WOVEN FILTERING MEDIA

Maxi breathe filtering material offers environmental filtration and very low resistance

INDIVIDUALLY PACKAGED

9200 PREMIUM | 20 Mask bodies, each mask sealed in a plastic sleeve ensuring it stays clean and hygienic.
9201 PREMIUM VALVE | 15 Mask bodies, each mask sealed in a plastic sleeve ensuring it stays clean and hygienic.

Class	Threshold	Description
FFP2	10x	Intermediate protection against hazardous and harmful, vapour and smoke particles that are not radioactive, nor airborne biological substances from risk group 3, nor enzymes.

AREAS OF APPLICATION				
ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Wood Processing				
Soft Wood: cutting & sanding	fine particles, wood dust		✓	
Paint: brushing & sanding	fine colour particles		✓	

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Construction and Ancillary Building Industry				
Cement: working, plastering, tiling, roofing	cement/plaster/tile/brick dust		✓	
Masonry: cutting, drilling, demolition	cement/plaster/tile/brick dust		✓	
Roof Insulation: glass/mineral fibres	dust & fibres dust		✓	
Body Fillers/Stoppers: grinding			✓	
Metalwork				
Metal: drilling, grinding, milling, angle grinding	metal dust		✓	
Waste Disposal and Cleaning				
Refuse: separation and disposal	dust/fungi		✓	
Medicine and Healthcare				
Allergies, Pollen, Household Dust, Animal Fur	dust/particles/spores		✓	

TECHNICAL DATA SHEET

GENERAL DATA

Manufacturer	U-Mask™ Solely owned by Universal Safety Products Products (Pty) Ltd, in Centurion, South Africa.
Designation	Particle Filtering Half Mask
Intended use	Protection against Solid and liquid non-volatile particles. Scope of protection is indicated by product documentation, technical standard, and installed application rules.
Standards	EN149:2001 + A1:2009 "Particle Filtering Half mask"
Approval	NRCS/8072/0248. Homologation of respiratory equipment, testing and approval by accredited and notified NRCS – National Regulator for Compulsory Specifications

DESIGN/MODEL

Material	Particle Filtering: Material:	Electrostatically Charged Non-Woven Filtering Media
	Elastane Head strap:	Latex free spandex
	Nose clip:	Aluminium nose piece
	Nose Pad:	Soft Sponge
	Exhalation valve:	9200 – None 9201 – Yes
Model principle	9200 + 9201 Premium Valve FFP2 NR D U-MASK consists of 4 layers, nonwoven, High electrostatic charged filtering media.	
Shelf life/Efficacy	3 years	
Dimension	127mm x 155.5mm	

PERFORMANCE

Particle performance	Standardised Testing Test aerosols: Min. Efficiency.	0,3 Micron	FFP2: EN149:2001	FFP2: U-Mask PRM 9200 9201 98% 98% 98% 98% 0,3 0,2 0,7 0,8
		Sodium Chloride: Paraffin oil: - 30 litres/min, - 95 litres/min	94% 94% Max.0,7 Max.2,4	
	Inhalation Inhalation			
Breathing resistance				

PACKAGING

Packing	Label: 9200 FFP2 NR U-Mask 9201 FFP2 NR D U-Mask: markings in accordance with EN 149:2001 + A1:2009, expiry date, producer and approval number. Each PRM plastic packaging unit contains instruction for application/use
Units per Package	PRM range is packed individually and sealed in a marked plastic sleeve. 9200 - 20pcs. per PRM Primary Box. 9201. – 15 pcs Per PRM Box

PREMIUM FLAT FOLD RANGE

9202 PREMIUM CARBON VALVE

Designed to provide protection in various environments against solid and liquid non-volatile particles. Snug fit and seal through unique flat design is both flexible and comfortable. Well suited to a diverse group of face and nose shapes. Available with or without exhalation, the exhalation valve eases the action of breathing out, reducing both heat and moisture in the mask. The perfect mask for various types of welding, areas with nuisance gases and vapours.

FLAT FOLD DESIGN

On the go, pocket storage

NOSE PAD

Soft sponge seal for comfort on nose bridge.

ULTRA-SOFT HYPO-ALLERGIC INNER LAYER

Reduces risk of skin rash from cross contamination and irritation due to sweat and contaminant mixture

FLUID-RESISTANT OUTER LAYER

Keeps nasty spills and liquids from penetrating the filtering media

NOSE CLIP

3mm flexible nose clip for highest seal and comfort

ELASTANE HEAD STRAPS

Easy donning
No hair tangling
No pressure

150GSM ACTIVATED CARBON MEDIA

MAXI-BREATHE VALVE

Low breathing resistance valve, release warm/humid exhaled air

ELECTROSTATICALLY CHARGED MELT BLOWN FILTERING MEDIA

Maxi breathe filtering material offers environmental filtration and very low resistance



INDIVIDUALLY PACKAGED

Each mask is sealed in a plastic sleeve ensuring it stays clean and hygienic

Class	Threshold	Description
FFP2	10x	Intermediate protection against hazardous and harmful, vapour and smoke particles that are not radioactive, nor airborne biological substances from risk group 3, nor enzymes.

AREAS OF APPLICATION		
ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS
		FFP1 FFP2 FFP3
Wood Processing		
Soft Wood: cutting & sanding	fine particles, wood dust	✓
Paint: brushing & sanding	fine colour particles	✓

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Construction and Ancillary Building Industry				
Cement: working, plastering, tiling, roofing	cement/plaster/tile/brick dust		✓	
Masonry: cutting, drilling, demolition	cement/plaster/tile/brick dust		✓	
Roof Insulation: glass/mineral fibres	dust & fibres dust		✓	
Body Fillers/Stopppers: grinding			✓	
Welding				
Welding: aluminium & stainless steel	metal/oxide fumes		✓	
Brazing:	fumes		✓	
Metalwork				
High-alloy Steels: drilling, grinding, milling, angle grinding	metal dust		✓	
Stainless Steels: drilling, grinding, milling, angle grinding	metal dust		✓	
Waste Disposal and Cleaning				
Refuse: separation and disposal	dust/fungi		✓	
Medicine and Healthcare				
Allergies, Pollen, Household Dust, Animal Fur	dust/particles/spores		✓	

TECHNICAL DATA SHEET

GENERAL DATA

Manufacturer	U-Mask™ Solely owned by Universal Safety Products Products (Pty) Ltd, in Centurion, South Africa.
Designation	Particle Filtering Half Mask
Intended use	Protection against Solid and liquid non-volatile particles. Scope of protection is indicated by product documentation, technical standard, and installed application rules.
Standards	EN149:2001 + A1:2009 “Particle Filtering Half mask”
Approval	NRCS/8072/0250. Homologation of respiratory equipment, testing and approval by accredited and notified NRCS – National Regulator for Compulsory Specifications

DESIGN/MODEL

Material	Particle Filtering: Material:	Electrostatically Charged Meltblown Material + 150gsm Activated Carbon Media
	Elastane Head strap: Nose	Latex free spandex
	clip: Nose Pad: Exhalation	Aluminium nose piece
	valve:	Soft Sponge
		Yes
Model principle	9202 FFP2 NR D U-MASK consists of 5 layers, nonwoven, High electrostatic charged filtering media.	
Shelf life/Efficacy	3 years	
Dimension	127mm x 155.5mm	

PERFORMANCE

THE DATA IN ACCORDANCE WITH STANDARDS, TRUE LEAKAGE TEST WITH 120 L/S FLOW IN OLE.				
Particle performance	Standardised Testing Test aerosols: Min. Efficiency.	0,3 Micron	FFP2: EN149:2001	FFP2: U-Mask 9202
		Sodium Chloride:	94%	99%
		Paraffin oil:	94%	98%
Breathing resistance	Inhalation	- 30 litres/min, - 95 litres/min	Max.0,7 Max.2,4	0,3 1,1
	Inhalation			
	Inhalation			

PACKAGING

Packing	Label: 9202 FFP2 Valve + Carbon NR: markings in accordance with EN 149:2001 + A1:2009, expiry date, producer and approval number. Each PRM plastic packaging unit contains instruction for application/use PRM range is packed individually and sealed in a plastic sleeve.
Units per Package	15pcs. Valved masks Per PRM Box.

PREMIUM FLAT FOLD RANGE

9300 PREMIUM VALVE

When maximum protection is required in harsh conditions, including protection against solid and liquid non-volatile particles, bacteria, and viruses. Snug fit and seal through unique flat design that is both flexible and comfortable. Well suited to a diverse group of face and nose shapes. Available with or without exhalation, the exhalation valve eases the action of breathing out, reducing both heat and moisture in the mask. Highest level of protection available in a disposable respirator.

FLAT FOLD DESIGN

On the go, pocket storage

NOSE PAD

Soft sponge seal for comfort on nose bridge.

ULTRA-SOFT HYPO-ALLERGIC INNER LAYER

Reduces risk of skin rash from cross contamination and irritation due to sweat and contaminant mixture

FLUID-RESISTANT OUTER LAYER

Keeps nasty spills and liquids from penetrating the filtering media

INDIVIDUALLY PACKAGED

Each mask is sealed in a plastic sleeve ensuring it stays clean and hygienic

NOSE CLIP

3mm flexible nose clip for highest seal and comfort

ELASTANE HEAD STRAPS

Easy donning
No hair tangling
No pressure

MAXI-BREATHE VALVE

Low breathing resistance valve, release warm/humid exhaled air

ELECTROSTATICALLY CHARGED NON-WOVEN + TRI-CHARGED FILTERING MEDIA

Maxi breathe filtering material offers environmental filtration and very low resistance



Class	Threshold	Description
FFP3	30x	High protection against poisonous particles, vapour and smoke; solid and liquid aerosols with a high filtering classification, bacteria and viruses, as well as radioactive materials, airborne biological substances from risk group 3, and enzymes.

AREAS OF APPLICATION

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS
		FFP1 FFP2 FFP3
Wood Processing		
Hard Wood (oak/beech/tropical/etc.): cutting & sanding	fine particles, wood dust	✓
Paints Containing Chrome: brushing & sanding	fine colour particles	✓

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Soluble Paints Containing Copper/Chrome/Arsenic: painting	fine paint mist			✓
Construction and Ancillary Building Industry				
Asbestos: short periods of work	fibres			✓
Welding				
Welding: aluminium & stainless steel	metal/oxide fumes			✓
Brazing:	fumes			✓
Metalwork				
High-alloy Steels: drilling, grinding, milling, angle grinding	metal dust			✓
Stainless Steels: drilling, grinding, milling, angle grinding	metal dust			✓
Waste Disposal and Cleaning				
Medical waste: disposal	bacteria/spores			✓
Radioactively Contaminated Particles	dust			✓
Agriculture				
Animal Epidemics & Treatment of Animals with Diseases	bacteria/viruses			✓
Work with Fungal Spores	spores			✓
Medicine and Healthcare				
Bacteria, Viruses, Infections, Legionella Bacteria	bacteria/viruses			✓

TECHNICAL DATA SHEET

GENERAL DATA

Manufacturer	U-Mask™ Solely owned by Universal Safety Products Products (Pty) Ltd, in Centurion, South Africa.
Designation	Particle Filtering Half Mask
Intended use	Protection against Solid and liquid non-volatile particles. Scope of protection is indicated by product documentation, technical standard, and installed application rules.
Standards	EN149:2001 + A1:2009 "Particle Filtering Half mask"
Approval	NRCS/8072/0244. Homologation of respiratory equipment, testing and approval by accredited and notified NRCS - National Regulator for Compulsory Specifications

DESIGN/MODEL

Material	Particle Filtering Material:	Electrostatically Charged Non-Woven + Tri-Charged Filtering Media
	Elastane Head strap:	Latex free spandex
	Nose clip:	Aluminium nose piece
	Nose Pad:	Soft Sponge
	Exhalation valve:	Yes
Model principle	9300 FFP3 NR D U-MASK consists of 4 layers, nonwoven, High electrostatic charged filtering media	
Shelf life/Efficacy	3 years	
Dimension	127mm x 155.5mm	

PERFORMANCE

Min. DATA IN ACCORDANCE WITH STANDARD, INCL LOADING TEST WITH 120 MG PARAFFIN OIL.

Particle performance	Standardised Testing Test aerosols: Min. Efficiency.	0,3 Micron	FFP3: EN149:2001	FFP3: 9300 U-Mask
		Sodium Chloride: 99% Paraffin oil: 99% - 30 litres/min, Max.1,0 - 95 litres/min Max.3,0		99,9% 99,8% 0,3 1,0
Breathing resistance	Inhalation			

PACKAGING

Packing	Label: 9300 FFP3 Valve NR D: markings in accordance with EN 149:2001 + A1:2009, expiry date, producer, and approval number. Each PRM plastic packaging unit contains instruction for application/use PRM range is packed individually and sealed in a plastic sleeve.
Units per Package	15pcs. Valved masks Per PRM Box.

ECONO MOULDED CUP RANGE

3001 ECONO MOULDED

Our economic moulded range offers the protection and comfort of a premium mask against solid and liquid non-volatile particles. Our foldable moulded cup masks also offer a better fit and seal through concave design that is both flexible and comfortable. Well suited to a diverse group of face and nose shapes.

MOULDED CUP DESIGN

Concave shape allows for a better fit and higher sealing

NOSE PAD

Soft sponge seal for comfort on nose bridge.

ULTRA-SOFT HYPO-ALLERGIC INNER LAYER

Reduces risk of skin rash from cross contamination and irritation due to sweat and contaminant mixture

FLUID-RESISTANT OUTER LAYER

Keeps nasty spills and liquids from penetrating the filtering media

PACKAGING

20 Mask bodies sealed in a plastic bag.

NOSE CLIP

3mm flexible nose clip for highest seal and comfort

ELASTANE HEAD STRAPS

Easy donning
No hair tangling
No pressure



ELECTROSTATICALLY CHARGED MELTBLOWN FILTERING MEDIA

Maxi breathe filtering material offers environmental filtration and very low resistance

Class	Threshold	Description
FFP2	10x	Intermediate protection against hazardous and harmful, vapour and smoke particles that are not radioactive, nor airborne biological substances from risk group 3, nor enzymes.

AREAS OF APPLICATION

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Wood Processing				
Soft Wood: cutting & sanding	fine particles, wood dust		✓	
Paint: brushing & sanding	fine colour particles		✓	

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Construction and Ancillary Building Industry				
Cement: working, plastering, tiling, roofing	cement/plaster/tile/brick dust		✓	
Masonry: cutting, drilling, demolition	cement/plaster/tile/brick dust		✓	
Roof Insulation: glass/mineral fibres	dust & fibres dust		✓	
Body Fillers/Stopppers: grinding			✓	
Metalwork				
Metal: drilling, grinding, milling, angle grinding	metal dust		✓	
Waste Disposal and Cleaning				
Refuse: separation and disposal	dust/fungi		✓	
Medicine and Healthcare				
Allergies, Pollen, Household Dust, Animal Fur	dust/particles/spores		✓	

TECHNICAL DATA SHEET

GENERAL DATA

Manufacturer	U-Mask™ Solely owned by Universal Safety Products Products (Pty) Ltd, in Centurion, South Africa.
Designation	Particle Filtering Half Mask
Intended use	Protection against Solid and liquid non-volatile particles. Scope of protection is indicated by product documentation, technical standard, and installed application rules.
Standards	EN149:2001 + A1:2009 “Particle Filtering Half mask”
Approval	NRCS/8072/0263: Homologation of respiratory equipment, testing and approval by accredited and notified NRCS – National Regulator for Compulsory Specifications

DESIGN/MODEL

Material	Particle Filtering: Material:	Electrostatically Charged Meltblown Filtering Media
	Elastane Head strap:	Latex free spandex
	Nose clip:	Aluminium nose piece
	Nose Pad:	Soft Sponge
	Exhalation valve:	No
Model principle	3001 FFP2 Cup mask consists of 4 layers, nonwoven, High electrostatic charged filtering media	
Shelf life/Efficacy	3 years	
Dimension	152mm x 120mm	

PERFORMANCE

Min. DATA IN ACCORDANCE WITH STANDARD, INCL LOADING TEST WITH 120 MG PARAFFIN OIL.

Particle performance	Standardised Testing Test aerosols: Min. Efficiency.	0,3 Micron	FFP2: EN149:2001	FFP2: 3001 U-Mask
		Sodium Chloride: Paraffin oil: - 30 litres/min, - 95 litres/min	94% 94% Max.0,7 Max.2,4	98% 98% 0.4 1.4
Breathing resistance	Inhalation Inhalation			

PACKAGING

Packing	Label: 3001 FFP2 NR: markings in accordance with EN 149:2001 + A1:2009, expiry date, producer, and approval number. Each Econo packaging unit contains instruction for application/use.
Units per Package	3001 FFP2 Cup Mask range is packed, multiple units sealed in a plastic bag 20pcs per PRM box.

PREMIUM MOULDED CUP RANGE

9400 PREMIUM CARBON VALVE

Carbon self-extinguishing, flame-retardant, half-face seal, providing protection against solid and liquid nonvolatile particles. Our moulded cups also offer a better fit and seal through clever design that is both flexible and comfortable. Well suited to a diverse group of face and nose shapes. Exhalation valve eases the action of breathing out, reduces both heat and moisture in the mask.

MOULDED CUP DESIGN

Concave shape allows for a better fit and higher sealing

NOSE PAD

Soft sponge seal for comfort on nose bridge.

ULTRA-SOFT HYPO-ALLERGIC INNER LAYER

Reduces risk of skin rash from cross contamination and irritation due to sweat and contaminant mixture

FLAME RETARDANT OUTER LAYER

Keeps nasty welding splats from burning through the mask. Perfect for welding applications

INDIVIDUALLY PACKAGED

Each mask is sealed in a plastic sleeve ensuring it stays clean and hygienic

NOSE CLIP

3mm flexible nose clip for highest seal and comfort

ELASTANE HEAD STRAPS

Easy donning
No hair tangling
No pressure

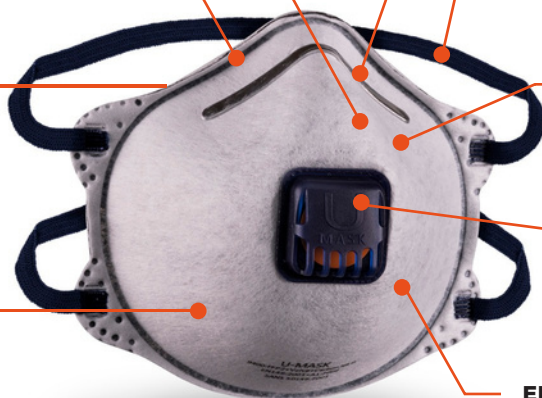
90GSM ACTIVATED CARBON MEDIA

MAXI-BREATHE VALVE

Low breathing resistance valve, release warm/humid exhaled air

ELECTROSTATICALLY CHARGED MELTBLOWN FILTERING MEDIA

Maxi breathe filtering material offers environmental filtration and very low resistance



Class	Threshold	Description
FFP2	10x	Intermediate protection against hazardous and harmful, vapour and smoke particles that are not radioactive, nor airborne biological substances from risk group 3, nor enzymes.

AREAS OF APPLICATION				
ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Wood Processing				
Soft Wood: cutting & sanding	fine particles, wood dust		✓	
Paint: brushing & sanding	fine colour particles		✓	

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Construction and Ancillary Building Industry				
Cement: working, plastering, tiling, roofing	cement/plaster/tile/brick dust		✓	
Masonry: cutting, drilling, demolition	cement/plaster/tile/brick dust		✓	
Roof Insulation: glass/mineral fibres	dust & fibres dust		✓	
Body Fillers/Stoppers: grinding			✓	
Welding				
Welding: aluminium & stainless steel	metal/oxide fumes		✓	
Brazing:	fumes		✓	
Metalwork				
High-alloy Steels: drilling, grinding, milling, angle grinding	metal dust		✓	
Stainless Steels: drilling, grinding, milling, angle grinding	metal dust		✓	
Waste Disposal and Cleaning				
Refuse: separation and disposal	dust/fungi		✓	
Medicine and Healthcare				
Allergies, Pollen, Household Dust, Animal Fur	dust/particles/spores		✓	

TECHNICAL DATA SHEET

GENERAL DATA

Manufacturer	U-Mask™ Solely owned by Universal Safety Products Products (Pty) Ltd, in Centurion, South Africa.
Designation	Particle Filtering Half Mask
Intended use	Protection against Solid and liquid non-volatile particles. Scope of protection is indicated by product documentation, technical standard, and installed application rules.
Standards	EN149:2001 + A1:2009 "Particle Filtering Half mask"
Approval	NRCS/8072/0263. Homologation of respiratory equipment, testing and approval by accredited and notified NRCS – National Regulator for Compulsory Specifications

DESIGN/MODEL

Material	Particle Filtering: Material:	Meltblown filtering media, 990gsm Carbon Media with Flame Retardant Outer Layers
	Elastane Head strap: Nose	Latex free spandex
	clip: Nose Pad: Exhalation	Aluminium nose piece
	valve:	Soft Sponge
		Yes
Model principle	9400 FFP2 CARBON + VALVE NR D U-MASK consists of 5 layers, nonwoven, High electrostatic charged filtering media plus Carbon	
Shelf life/Efficacy	3 years	
Dimension	142mm x 124mm	

PERFORMANCE

Min. DATA IN ACCORDANCE WITH STANDARD, INCL LOADING TEST WITH 120 MG PARAFIN OIL.

Particle performance	Standardised Testing	0,3 Micron	FFP2: EN149:2001	FFP2: U-Mask 9400
	Test aerosols:			
	Min. Efficiency.			
Breathing resistance	Inhalation	Sodium Chloride:	94%	99%
		Paraffin oil:	94%	99%
		- 30 litres/min, - 95 litres/min	Max.0,7 Max.2,4	0,6 2,1

PACKAGING

Packing	Label: 9400 FFP2 Valve + Carbon NR D: markings in accordance with EN 149:2001 + A1:2009, expiry date, producer, and approval number. Each PRM packaging unit contains instruction for application/use
Units per Package	9400 PRM range is packed individually and sealed in a plastic sleeve. 5pcs. valved masks Per PRM Box.

PREMIUM MOULDED CUP RANGE

9400 PRO WELDER SERIES CARBON

Carbon self-extinguishing, flame-retardant, full-face seal, providing protection against solid and liquid nonvolatile particles. Our moulded cups also offer a better fit and seal through clever design that is both flexible and comfortable. Well suited to a diverse group of face and nose shapes. Exhalation valve eases the action of breathing out, reduces both heat and moisture in the mask.

MOULDED CUP DESIGN

Concave shape allows for a better fit and higher sealing

NOSE PAD

Soft sponge seal for comfort on nose bridge.

INNER FACE-SEAL

Highest sealing around the most critical area. Comfort on pressure point

FLAME RETARDANT OUTER LAYER

Keeps nasty welding splats from burning through the mask. Perfect for welding applications

INDIVIDUALLY PACKAGED

Each mask is sealed in a plastic sleeve ensuring it stays clean and hygienic

NOSE CLIP

3mm flexible nose clip for highest seal and comfort

ELASTANE HEAD STRAPS

Adjustable
Easy donning
No hair tangling
No pressure

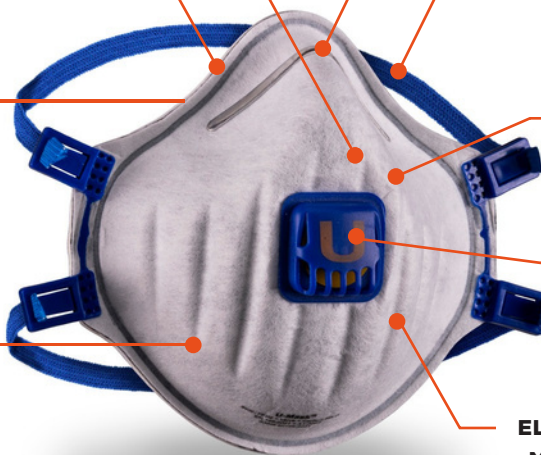
90GSM ACTIVATED CARBON MEDIA

MAXI-BREATHE VALVE

Low breathing resistance valve, release warm/humid exhaled air

ELECTROSTATICALLY CHARGED MELTBLOWN FILTERING MEDIA

Maxi breathe filtering material offers environmental filtration and very low resistance



Class	Threshold	Description
FFP2	10x	Intermediate protection against hazardous and harmful, vapour and smoke particles that are not radioactive, nor airborne biological substances from risk group 3, nor enzymes.

AREAS OF APPLICATION				
ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Wood Processing				
Soft Wood: cutting & sanding	fine particles, wood dust		✓	
Paint: brushing & sanding	fine colour particles		✓	

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Construction and Ancillary Building Industry				
Cement: working, plastering, tiling, roofing	cement/plaster/tile/brick dust		✓	
Masonry: cutting, drilling, demolition	cement/plaster/tile/brick dust		✓	
Roof Insulation: glass/mineral fibres	dust & fibres dust		✓	
Body Fillers/Stoppers: grinding			✓	
Welding				
Welding: aluminium & stainless steel	metal/oxide fumes		✓	
Brazing:	fumes		✓	
Metalwork				
High-alloy Steels: drilling, grinding, milling, angle grinding	metal dust		✓	
Stainless Steels: drilling, grinding, milling, angle grinding	metal dust		✓	
Waste Disposal and Cleaning				
Refuse: separation and disposal	dust/fungi		✓	
Medicine and Healthcare				
Allergies, Pollen, Household Dust, Animal Fur	dust/particles/spores		✓	

TECHNICAL DATA SHEET

GENERAL DATA

Manufacturer	U-Mask™ Solely owned by Universal Safety Products Products (Pty) Ltd, in Centurion, South Africa.
Designation	Particle Filtering Half Mask
Intended use	Protection against Solid and liquid non-volatile particles. Scope of protection is indicated by product documentation, technical standard, and installed application rules.
Standards	EN149:2001 + A1:2009 "Particle Filtering Half mask"
Approval	NRCS/8072/0243: Homologation of respiratory equipment, testing and approval by accredited and notified NRCS – National Regulator for Compulsory Specifications

DESIGN/MODEL

Material	Particle Filtering: Material:	Meltblown filtering media, 990gsm Carbon Media with Flame Retardant Outer
	Elastane Head strap:	Layers Latex free spandex Aluminium nose piece Yes Yes
	Nose clip:	
	Full Face Seal:	
	Exhalation valve:	
Model principle	9400 Pro Welder Series FFP2 U-Mask consists of 5 layers, nonwoven, High electrostatic charged filtering media plus Carbon	
Shelf life/Efficacy	3 years	
Dimension	149mm x 150mm	

PERFORMANCE

Min. DATA IN ACCORDANCE WITH STANDARD, INCL LOADING TEST WITH 120 MG PARAFFIN OIL.

Particle performance	Standardised Testing Test aerosols: Min. Efficiency.	0,3 Micron	FFP2: EN149:2001	FFP2: U-Mask 9400 Pro
		Sodium Chloride: Paraffin oil: - 30 litres/min, - 95 litres/min	94% 94% Max.0,7 Max.2,4	99% 99% 0,6 2,1
Breathing resistance	Inhalation Inhalation			

PACKAGING

Packing	Label: 9400 Pro Welder Series+Valve + Carbon NR D: markings in accordance with EN 149:2001 + A1:2009, expiry date, producer, and approval number. Each PRM packaging unit contains instruction for application/use
Units per Package	9400 Pro Welder Series range is packed individually and sealed in a plastic sleeve. 5pcs. valved masks Per PRM Box.

PREMIUM MEDICAL RANGE

5000 FFP2 PREMIUM

Specifically designed to provide ultimate protection against viruses and particles in high contaminated areas, including solid and liquid non-volatile particles. Snug fit and seal through unique flat design that is both flexible and comfortable. Well suited to a diverse group of face and nose shapes.

FLAT FOLD DESIGN

On the go, pocket storage

NOSE PAD

Soft sponge seal for comfort on nose bridge.

ULTRA-SOFT HYPO-ALLERGIC INNER LAYER

Reduces risk of skin rash from cross contamination and irritation due to sweat and contaminant mixture

FLUID-RESISTANT OUTER LAYER

Keeps nasty spills and liquids from penetrating the filtering media

INDIVIDUALLY PACKAGED

Each mask is sealed in a plastic sleeve ensuring it stays clean and hygienic

NOSE CLIP

3mm flexible nose clip for highest seal and comfort

ELASTANE HEAD STRAPS

Easy donning
No hair tangling
No pressure



ELECTROSTATICALLY CHARGED MELTBLOWN FILTERING MEDIA

Maxi breathe filtering material offers environmental filtration and very low resistance

Class	Threshold	Description
FFP2	10x	Intermediate protection against hazardous and harmful, vapour and smoke particles that are not radioactive, nor airborne biological substances from risk group 3, nor enzymes.

AREAS OF APPLICATION

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Wood Processing				
Soft Wood: cutting & sanding	fine particles, wood dust		✓	
Paint: brushing & sanding	fine colour particles		✓	

ACTIVITY	HARMFUL SUBSTANCES	PROTECTION CLASS		
		FFP1	FFP2	FFP3
Construction and Ancillary Building Industry				
Cement: working, plastering, tiling, roofing	cement/plaster/tile/brick dust		✓	
Masonry: cutting, drilling, demolition	cement/plaster/tile/brick dust		✓	
Roof Insulation: glass/mineral fibres	dust & fibres dust		✓	
Body Fillers/Stoppers: grinding			✓	
Metalwork				
Metal: drilling, grinding, milling, angle grinding	metal dust		✓	
Waste Disposal and Cleaning				
Refuse: separation and disposal	dust/fungi		✓	
Medicine and Healthcare				
Allergies, Pollen, Household Dust, Animal Fur	dust/particles/spores		✓	

TECHNICAL DATA SHEET

GENERAL DATA

Manufacturer	U-Mask™ Solely owned by Universal Safety Products Products (Pty) Ltd, in Centurion, South Africa.
Designation	Particle Filtering Half Mask NR
Intended use	Protection against Solid and liquid non-volatile particles. Scope of protection is indicated by product documentation, technical standard, and installed application rules.
Standards	EN149:2001 + A1:2009 "Particle Filtering Half mask"
Approval	NRCS Permit Number: #SP14/2021. Homologation of respiratory equipment, testing and approval by accredited and notified NRCS - National Regulator for Compulsory Specifications

DESIGN/MODEL

Material	Particle Filtering: Material:	Electrostatically Charged Meltblown Media
	Elastane Head strap:	Latex free spandex
	Nose clip:	Galvanised steel covered in PP Plastic nose piece
	Nose Pad:	Soft Sponge
	Exhalation valve:	No
Model principle	5000 Series FFP2 NR U-MASK consists of 4 layers, nonwoven, High electrostatic charged filtering media.	
Shelf life/Efficacy	3 years	
Dimension	105mm x 160mm	

PERFORMANCE

Particle performance	Standardised Testing Test aerosols: Min. Efficiency.		FFP2: EN149:2003	FFP2: U-Mask 5000
		Sodium Chloride:	94%	98%
		Paraffin oil: - 30 litres/min, - 95 litres/min	94% Max.0,7 Max.2,4	98% 0,4 1,7
Breathing resistance	Inhalation Inhalation			

PACKAGING

Packing	Label: 5000 FFP2 NR: markings in accordance with EN 149:2001 + A1:2009, expiry date, producer and approval number. Each premium plastic packaging unit contains instruction for application/use
Units per Package	5000 series range is packed individually sealed in a plastic sleeve. 20 units per premium box.

ECONO MEDICAL RANGE

11000 3-PLY SURGICAL

Surgical mask with improved filtering media to provide better protection against solid and liquid non-volatile particles. Our medical range offers premium comfort and fit, designed to provide ultimate protection against viruses and particles. Well suited to a diverse group of face and nose shapes.

FOLDABLE DESIGN

On the go, pocket storage

NOSE WIRE

3mm flexible nose clip for highest seal and comfort

ELASTANE HEAD STRAPS

Easy donning
No hair tangling
No pressure

ULTRA-SOFT HYPO-ALLERGENIC INNER LAYER

Reduces risk of skin rash from cross contamination and irritation due to sweat and contaminant mixture

FLUID-RESISTANT OUTER LAYER

Keeps nasty spills and liquids from penetrating the filtering media

ELECTROSTATICALLY CHARGED NON-WOVEN MELT BLOWN FILTERING MEDIA

Maxi breathe filtering material offers environmental filtration and very low resistance

PACKAGING

50 Mask bodies packaged in a plastic bag.

TECHNICAL DATA SHEET

GENERAL DATA

Manufacturer	U-Mask™ Solely owned by Universal Safety Products (Pty) Ltd, in Centurion, South Africa.
Designation	3 Ply Disposable Face Mask
Intended use	Protection against Solid and liquid non-volatile particles. Scope of protection is indicated by product documentation, technical standard, and installed application rules.
Standards	SANS 1899:2008 + 1866 - 1:2018

DESIGN/MODEL				
Material	Particle Filtering: Material:	Electrostatically Charged Non-Woven Meltblown Media		
	Elastane Head strap:	Latex free spandex		
	Nose clip:	Plastic nose wire V/A		
Model principle	Type: 3 ply surgical Mask consists of 3 layers, nonwoven, Filtering Media			
Shelf life/Efficacy	3 years			
Dimension	173mm x 90mm			
PERFORMANCE				
Min. DATA IN ACCORDANCE WITH STANDARD, INCL LOADING TEST WITH 120 MG PARAFIN OIL.				
Particle performance	Standardised Testing		SANS1866:2008+ 1866-1:2018	3 Ply: 11000 U-MASK
		Absorption rate:	>60 sec	>60 sec
	Penetration	Sodium Chloride:	>60 sec	>60 sec
	Differential Pressure	Maximum Specification	<4 mm H2O/cm2	<4 mm H2O/cm2
	Flammability	Self-Extinguish	Self-Extinguish <5	Self-Extinguish <5
PACKAGING				
Packing	Each premium box contains instruction for application/use			
Units per Package	11 000 series 3 ply surgical mask is packed multiple units sealed in plastic bag. 50pcs per box.			

