



Air ProtexTM

Focused Technology for your Safety



The **AIR PROTEX** range : **Protective masks** against **COVID19**

No 1 in sales to professionals in contact with public

Smart Textile - High Performance - Customizable

Safety - Quality - Washable - Reusable - Guaranteed **50 uses**

The most **economical** and **efficient** protective mask



0\$_{,04*}

*From less than 4 cents per use



Air ProtexTM



Foreword

THE COVID-19 CRISIS FORCED US TO RESPOND

Our 100% French design mask, **AIR PROTEX**, was developed to provide a real effective, economical and sustainable protection solution to fight against the COVID-19 health crisis.

Initially designed in the form of the famous **3-Ply** mask, meeting the recommendations of AFNOR "**SPEC S76-001: 2020**", this same pattern, combined with the recommendations of the Grenoble University Hospital, have been improved to create our two new ranges: **THE ORIGINAL** and **NEWSHAPE**. Today we are proud to present them to you in this brochure. Our three ranges appear in all respects the same technical characteristics (materials used, innovations ...) and meet the standard of protective mask.

Unlike a conventional fabric mask, the **AIR PROTEX** mask was designed by directly integrating inside the textile, an additional non-woven layer, Meltblown, of medical quality in order to obtain all the infiltrations of fine particles "PM: 0.3µm" including viruses by projection.

On the other hand, the technological innovations developed by one of the world leaders in textiles have been directly incorporated into the **AIR PROTEX** mask. Among these innovations, the **B-GARD technology** - Fluorinated water-repellent natural agent and the **T-TEX technology** - Antibacterial natural agent which significantly limits the proliferation of bacteria on the inner face of the mask, thus avoiding new pathologies linked to a prolonged wearing of an ordinary fabric protective mask.

These new features of **AIR PROTEX** guarantee both the safety of its user and that of people in its environment.

To meet the high demand for protective mask equipment, **AIR PROTEX** is the best solution studied and adapted to meet the challenges of businesses and communities during this period of crisis. In particular thanks to:

- **Its incomparable return of investment compared to the use of a disposable mask and a simple fabric mask.**
Ex: At the best price, 1 box of 50 disposable masks = \$23 or \$0,46 per use of 4 hour per mask.
At the best price, 1 simple fabric mask guaranteed for 10 washes at \$1,80 or \$0,18 per use of 4 hour per mask.
At the average price, 1 AIR PROTEX mask guaranteed for 50 washes at \$4,50 or \$0,09 per use of the mask suitable for 8 hours of wearing.
Cost over 2 consecutive months: Disposable masks (2 boxes of 50) = \$46; Single fabric (12 masks) = \$21,60; AIR PROTEX (3 masks) = \$13,50
A saving of more than -70% compared to a disposable mask and -35% compared to an ordinary fabric mask. *For more details, see page 15*
- **Unparalleled protection compared to a conventional fabric mask of the cotton or polyester type, mono / multilayer.**
- **Reducing the risks of infectious or respiratory pathologies linked to prolonged or inappropriate use of a conventional protective mask.**
- **A thoughtful purchase and a much more economical, ecological and sustainable solution than the disposable mask and the simple fabric mask.**



N. Geneviève & K. Lamrabtine
AIR PROTEX mask designers





Summary

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A close-up photograph of a man with dark hair and light-colored eyes, wearing a black fabric face mask. He is looking slightly to the right of the camera. The background is blurred, showing what appears to be an indoor setting with wooden elements.A circular gold seal with a dark blue center. Inside the center, the words "Ranked No.1" are written in a gold, cursive font. Above the text are five small gold stars. The seal has a textured, metallic appearance.

This mask

is not an ordinary mask made of conventional fabric.

A HIGH PERFORMANCE PROTECTIVE MASK

The **AIR PROTEX** mask at first glance looks like a conventional fabric mask. Light, washable, easy to use and without any manipulation of filter assembly, it nevertheless has its own characteristics and differentiates it from other traditional masks.

It is made up of 3 physical layers and 2 additional protective layers:

- 1 outer layer **100% Polyester - Smart Fabric - Microfilament - 115gr / m²** - incorporating **B-GARD technology**, "**waterproof**" **water-repellent agent**, serving as a hygienic barrier against all projections of respiratory droplets. These same droplets can transmit viruses and other bacteria.
- 1 internal layer of **Polypropylene - Meltblown non-woven - 60gr / m²** - used in the manufacture of surgical masks, acting as a particle filter - **PM: 0.3µm** and protection against projections.
- 1 inner layer **100% Polyester - Smart Fabric - Microfilament - 115gr / m²** - incorporating **T-TEX technology**, **natural antibacterial agent**. This same layer is made in such a way as to integrate, if necessary, a conventional additional anti-pollution filter - **PM: 2.5 µm**

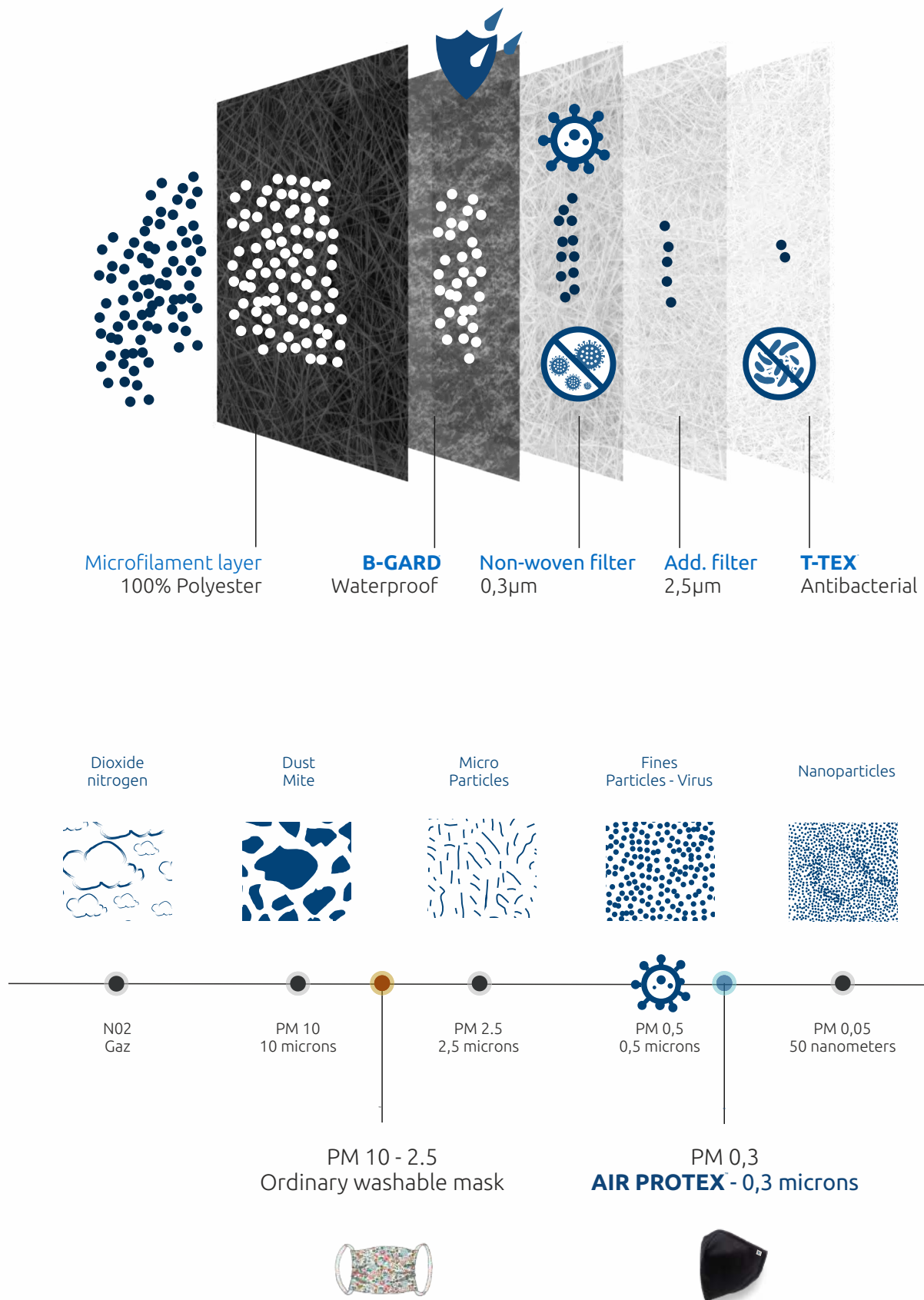
The combination of these 5 layers makes **AIR PROTEX** a high performance protective mask demanding in terms of short and long term safety.



OVERVIEW OF THE VARIOUS LAYERS AND SPECIFICITIES



OPTIMAL, MULTI-LAYERED PROTECTION



DATA SHEET - AIR PROTEX™

Details of exterior and interior fabric - 2 layers:

Type of fabric:	Smart Fabric - Warp Knit - St05
Composition:	100% Polyester - Polyester Mix Texture Yarn
Weight:	115 (+/-5) gr /m ²
Certification:	OEKO TEX STANDARD 100 - CLASSE I
Maintenance:	Machine wash with detergent up to 60°C Keeps its technical properties after 50 washes.
Drying:	Machine or outdoor drying.
Ironing:	120°C
Recommendation:	Do not use fabric softener.



Details of the internal "filter" fabric - 1 layer:

Type of fabric:	Meltblown non-woyen
Composition:	Polypropylene
Weight:	60 (+/-5) gr /m ²
Filter:	0,3 microns - PM: 0,3µm



Place of manufacture and packaging:

Conception:	Paris - France
Raw material & assembly:	Bangkok - Thaïland
Place of manufacture:	Massy - France / Bangkok - Thaïland
Place of packaging:	Paris - France / Bangkok - Thaïland

PERFORMANCE RESULT: PROTECTIVE MASK

Air permeability at 100PA: CONFORM 184 L.m².S-1*

"Breathability. Retains its air permeability properties, no tightening effect of microfibers after 30 washes of 30min."

Protection: CONFORM 97% à 3µm*

« 3 Microns < Protection < 90% »

Résultat: Protective mask intended for use by professionals in very frequent contact with the public.

* Test results carried out by the independent INTERTEK laboratory and by the THTI institute of both France and Thailand. *Test reports available on request.*

The **AIR PROTEX** mask uses the complex of 3-layer materials (100% Polyester + Propylene). They are recognized for their efficiency at more than 90% filtration and tested for at least 50 washes.

AIR PROTEX IFTH / DGA report number: 2020-05-26-071-50

Fabric labeled OEKO-TEX Standard 100 - Guaranteed the absence of substances dangerous to the health and skin of the consumer. Suitable for adults and children.

Recommended and supported by **the Ordre des Médecins (French Medical Board)** for its performance and long-term effectiveness facing this crisis. <http://www.ordre-medecins-loire.com/wp-content/uploads/2020/05/Fiche-produit-2020-AIR-PROTEX.pdf>



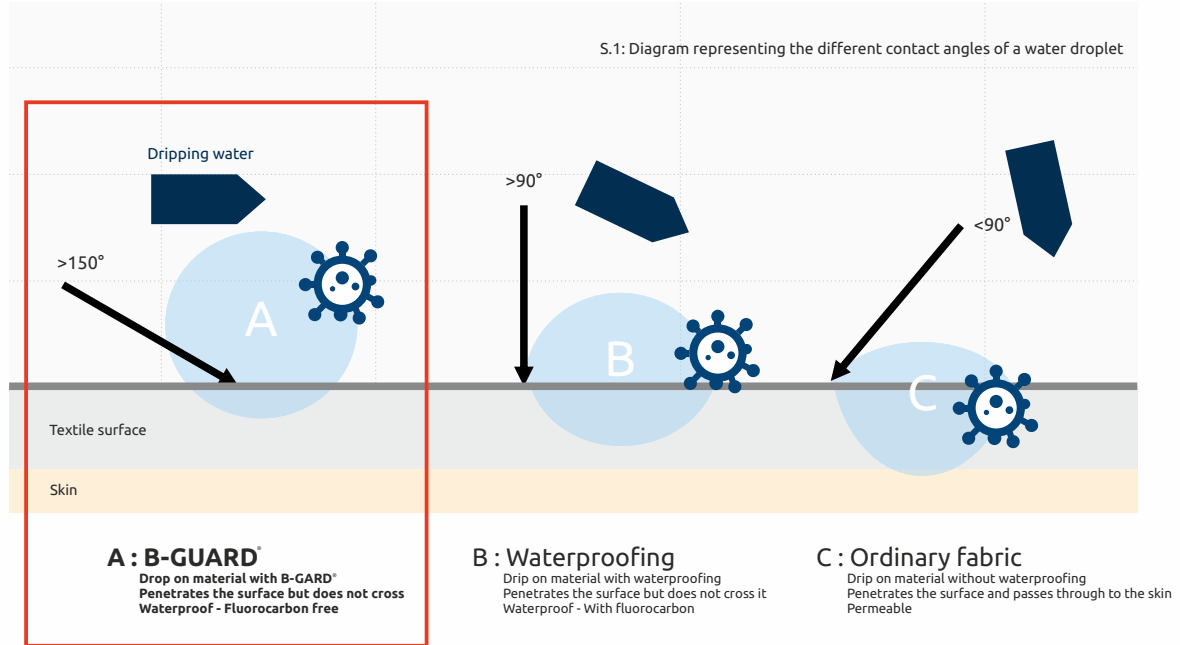
PERFORMANCE RESULT: NATURAL AGENTS

Performance result- INTERTEK laboratory:

B-GARD TECHNOLOGY:



Performance test carried out on the water-repellent natural agent without fluorine:

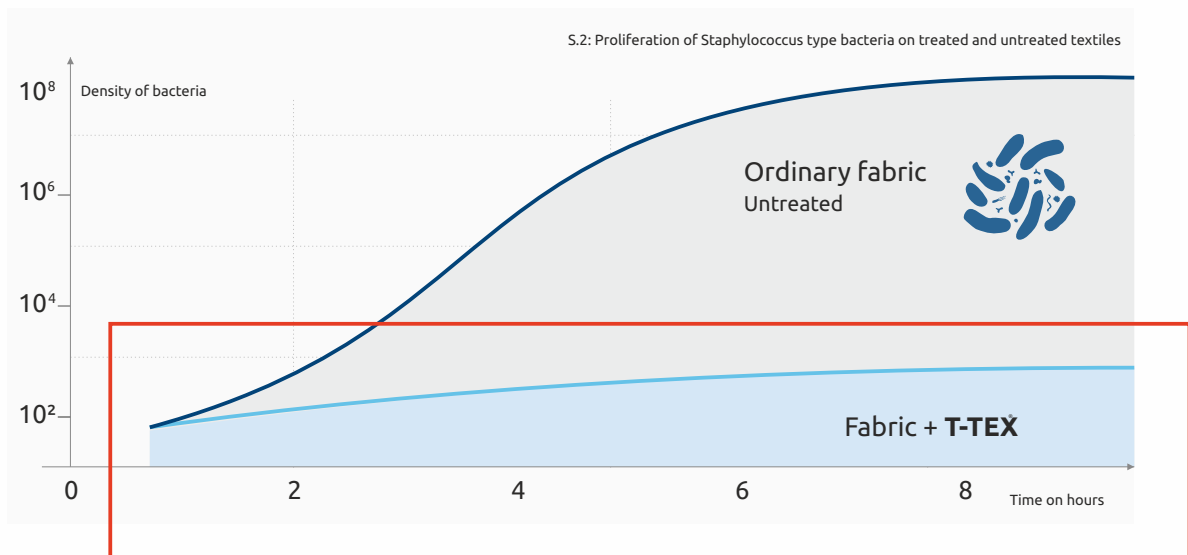


Result: The natural agent **B-GARD** retains its technical properties after 10 washes at 40°C with detergent.

T-TEXT TECHNOLOGY:



Performance test performed on the natural anti-bacterial agent:



Result: 99.95% reduction in bacteria after natural **T-TEX** treatment. Efficiency kept after 10 washes at 40°C with detergent.



RECOMMENDATION FOR MAINTENANCE AND USE

Machine wash with detergent suitable for Polyester for 30 minutes at 60 °C
Possibility to tumble dry
Iron at a temperature of 120/130 °C

1. Open the protective case.
2. With clean hands collect the **AIR PROTEX** mask.
3. Place the mask on the face, the inside sewn pocket on the face side.
4. Attach the mask by the elastic bands behind the ears by adjusting it to the size of your face.
5. Lower the bottom of the mask under the chin.
6. Properly adjust your mask so as to ensure watertightness.
7. Maximum wearing time imposed: 4h up to one day. Tested to be wearing up to 8h.
8. After 24 hours put the mask back in its protective case.
9. Wash your mask at 60 °C and also clean the inside of the case.
10. Repeat these steps on a cycle of **50 washes**.



Find our French user manual
with this QR Code



AVAILABLE IN THREE FORMS AND THREE RANGES



1. ORIGINAL

5 protective layers
100% polyester
Integrated Meltblown particle filter
Memory nose clip
Additional filter pocket
Comfortable elastic
Sold with protective case
97% filtration efficiency rate
Guaranteed 50 washes

More comfortable than the 3 ply
An elaborate 3D design



2. NEWSHAPE

5 protective layers
100% polyester
Integrated Meltblown particle filter
Memory nose clip
Additional filter pocket
Comfortable elastic
Sold with protective case
97% filtration efficiency rate
Guaranteed 50 washes

The improved version of ORIGINAL
Adjustable elastic with pressure pad
Pattern redesigned according to Grenoble
University Hospital
Seamless vertical
Fit the shape of the face
Extremely comfortable for extended wear



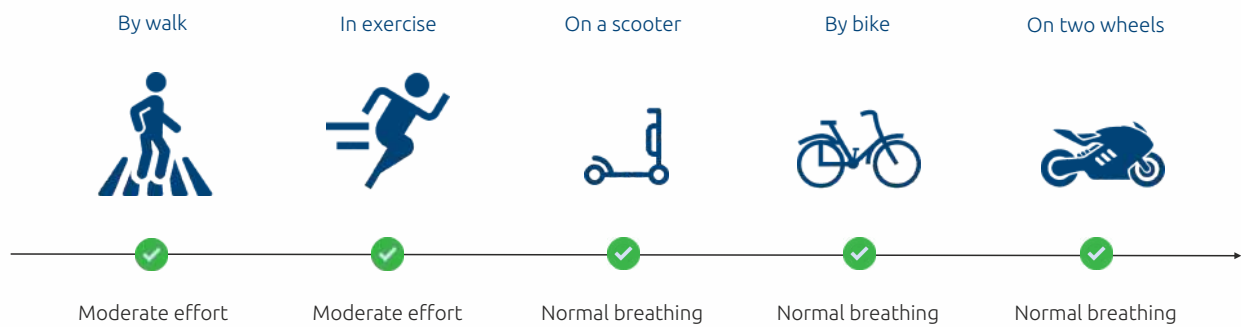
3. THE 3 PLY

5 protective layers
100% polyester
Integrated Meltblown particle filter
Memory nose clip
Additional filter pocket
Comfortable elastic
Sold with protective case
99% filtration efficiency rate
Guaranteed 10 washes

Designed according to AFNOR
The most economical

OUT OF STOCK

A SOLUTION ADAPTED AND AVAILABLE FOR ALL



The **AIR PROTEX** mask is sized to match the morphology of all types of faces, square, oval, elongated ... It is anti-fog for glasses wearers, its elastic is comfortable designed for prolonged use. In terms of size, it is designed according to **AFNOR's claims**, based on the average morphology of the European population. It is available with a standard universal size, however it can be declined in several sizes if necessary for more comfort (XL - M - S).





TO THE COLORS AND PATTERNS OF YOUR CHOICE

AIR PROTEX is fully customizable. Default solid color: black, white and orange. It can also be color (CMYK) and with the patterns of your choice. It can also be completed by the finishing of your logo like Uber Eat.

Technique used: Silicone transfer for a 3D rendering and a long duration which resists more than **100 washes**.



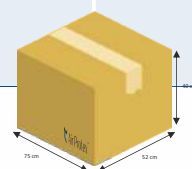
CONDITIONING

The **AIR PROTEX** mask is packaged and sterilized so as to be protected against mechanical damage and contamination before use. The bag is designed to be reusable with a zip closure. It allows the **AIR PROTEX** mask to maintain its antimicrobial effectiveness in the long term.



BOX SIZE AND PACKING

Packaging:	Number of boxes per package:	Dimension of package in cm: (Length x width x height)	Weight of box full in kg:	Number of boxes per pallet:
AIR PROTEX	10 <i>500 pieces</i>	75 x 52 x 40	25,4 (+/-20%)	-

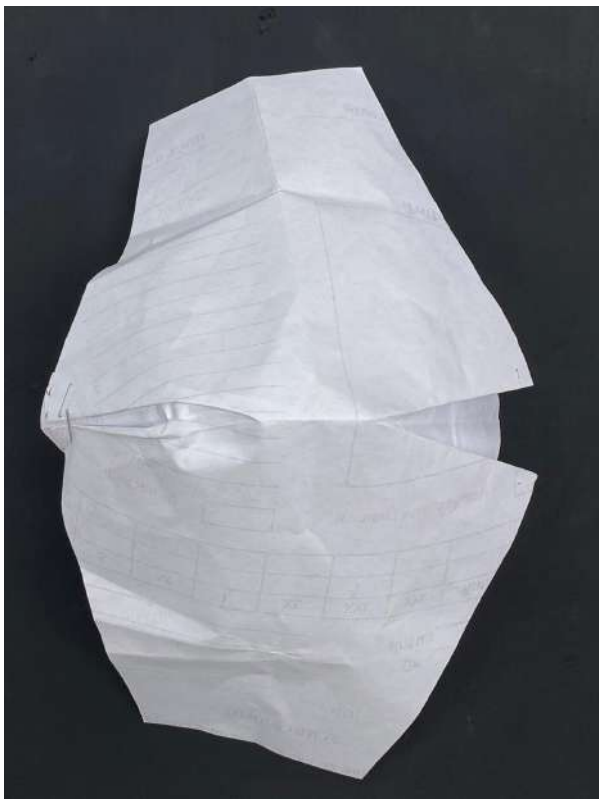


The **AIR PROTEX** mask and its packaging are biodegradable and recyclable.












PICTURE GALLERY



COMPARATIVE, PRICES, ORDER AND PRODUCTION

Chirurgical mask		AIR PROTEX™		Textile mask	
					
Washable at 60°C / Reusable	✗	✓		✓	
Number of time reusable	0	50		10	
Average price	Boxes of 50 masks = \$23	By unit = \$4,50		By unit = \$1,80	
Cost per use	\$23/50 = \$0,46	\$4,50/50 = \$0,09		\$1,80/10 = \$0,18	
Average cost for 2 months	2 boxes of 50 = \$46,00	3 AIR PROTEX mask = \$13,50		12 masks = \$21,60	
Savings achieved	70% on disposable mask	-		35% on simple fabric mask	
Filtration efficiency rate	95%	97% to 99%		70% to 90%	
Design and manufacture		 			
Standard and certification	NF EN 14683	OEKO TEX®100 - SPEC S76-001:2020		SPEC S76-001:2020	
Recommended duration daily wear	4h	Tested up to 8h		4h	
Material	Meltblown filter	Smart Textile (Polyester + Meltblown filter)		Polyester or cotton	
Number of protective layers	3	5		1 or 3	
Particle filter layer PM:0,3µm	✓	✓		✗	
Ecological	✗	✓		✓	
Antibacterial - T-TEX®	✗	✓		✗	
Anti-odor - T-TEX®	✗	✓		✗	
Antifog	✗	✓		✗	
Hydrophobic - Water repellent - B-GARD®	✗	✓		✗	
Pocket for additional filter! PM:2,5µm	✗	✓		✗	
Anti-tear - Plush - Resistant	✗	✓		✗	
Customizable - Printable - Colors - Logo	✗	✓		✗	



1 AIR PROTEX mask
Guaranteed 50 washes
\$4,50



1 Box of 50 disposable mask
Disposable
\$23,00

80%
savings



5 Simple fabric mask
Guaranteed 10 washes
\$9,00

50%
savings

Most economical and efficient than any other protective mask!





Air ProtexTM

Focused Technology for your Safety

For all orders, please contact us at : commande@airprotex.com

In stock: [Available on request and quote](#)

Production capacity: [500.000 units / month](#)

Minimum order: [100 units](#)

Contact : contact@airprotex.com

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FRENCH
EXCLUSIVITY



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