



## DESCRIPTION

Our MK12A filtering half masks are assembled in France and in the USA and provide:

- FFP2 level filtering protection as per WHO recommendations.
- soft folded shape
- nose strip and special shape to reduce fogging of reading glasses.
- stretch bands around the ears, with soft length adjusters for exact fit.
- optional plastic clip to tighten bands behind the lower part of the head.

This model is available in either grey or white colour, with white stretch bands.

## BENEFITS

MK12A provides many benefits over traditional 3 ply masks or masks made of cotton fabrics:

1. Our exclusive six layers masks with three layers of meltblown filtration result in penetration rates below 2% and averaging 1% or less for 0.3micron particles. Our masks provide the highest protection for COVID-19 while maintaining comfortable breathing resistance.
2. Adjustable ear loops allow for a tight but comfortable fit for every user. This is a critical feature for getting users to use protective masks properly for long period of time and reducing inward leakage.
3. High quality internal and external polypropylene layers prevent humidity from affecting filtration layers and allow for at least 8 hours usage instead of 3 to 4 hours recommended for 3 -ply masks.
4. Practically, users will take their protective masks off during the day for short period of times. Our folded design protects internal surface during handling to reduce exposure risks.
5. Individual plastic wrapping allows safe transportation of single mask in a bag without exposure risks.

## CERTIFICATIONS

Type	PPE category III - Filtering half mask to protect against COVID-19
CE certification	EU Regulation (EU) 2016/425 RU No. PPE-R/02.075
Filtration efficiency	FFP2 level: $\geq 94\%$ (average filtration exceeds 98%) . see results below.
Notified Body	0082 APAVE SUDEUROPE SAS, CS60193 Marseille 13322 France
Certificate	See attached certificate N° 0082/3761/079/12/20/0882

NOTICE: This filtering half mask is manufactured for COVID-19 protection only. As requested by World Health Organization recommendations, for this specific use, the nominal protection factor given by this filtering half mask is the same than the FFP2 nominal protection factor defined in EN 149:2001+A1:2009. This filtering half mask is not a filtering half mask for general use and shall not be used for purposes other than protection against COVID-19.

## TEST RESULTS

EN143 Test	Requirement	MK12A result
CO2 concentration	< 1%	0.6%
Respiratory resistance – inhalation – 30l/min	< 0.7 mbar	0.44 mbar
Respiratory resistance – inhalation – 95l/min	< 2.4 mbar	1.46 mbar
Respiratory resistance – exhalation – 160l/min	< 3.0 mbar	2.22 mbar
NaCl particles exposure test (120mg – 95l/min) Maximum penetration rate	< 6.0%	1.0%
NaCl particles penetration test (3min - 95l/min) Maximum penetration rate	< 6.0%	0.8%

## COMPONENTS

Mask structure	Six layers folding structure with: <ul style="list-style-type: none"> <li>• Polypropylene outside protective layer</li> <li>• ES cotton filtration layer</li> <li>• 3-in-1 meltblown polypropylene filtration layer</li> <li>• Polypropylene inside protective layer</li> </ul>
Nose strip	Metal alloy inserted under outside protective layer.
Head bands	Spandex-Nylon stretchable 250%
Adjusters	Silicone adjuster clips. Mounted on each ear loop.
Head clip	Detachable plastic hook. Optional. Two units included in each box.

NOTICE: this product does not contain any latex based component.

## PACKAGING

Box content	20 units
Sealing wrap	per unit
Box weight	250 grams
Box size	140mmx140mmx110mm
Carton content	24 boxes => 480 units
Carton weight	6.5 kg.
Carton size	455mm x 435mm x 295mm



All boxes have an NFC tag which can be used to verify the authenticity of a product box. See box for details. Any NFC enabled smartphone can be used to read the tag.



NOTE: our box packaging is printed in France and made entirely from recycled materials.

## STORAGE

All boxes have a production date and an expiration date which is two years after the production date. Lot numbers are used to provide end to end traceability as per CE quality control requirements.

## SAFETY

MK12A is an article according to Occupational Safety and Health Administration (OSHA) Hazard Communications Standard and thus does not require a Material Safety Data Sheet (MSDS). This means that it is a manufactured item which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical and does not pose a physical hazard or health risk to users.

## PRODUCTION

Our protective masks are assembled in Toulouse France.

We have significant production capabilities to fulfil large orders for institutional customers.



## ORDERING

Our protective masks are available:

Amazon Europe

*coming soon*

Direct orders

for government agencies, businesses or large distributors:

Asia: [walter.chung@cilicon.fr](mailto:walter.chung@cilicon.fr)

Europe: [herve.jegou@cilicon.fr](mailto:herve.jegou@cilicon.fr)

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In enforcement of Regulation 2016/425 of the European Parliament and of the Council of 9<sup>th</sup> March 2016 on Personal Protective Equipment and repealing the Directive 89/686/EEC and in compliance with the Module B Certification Scheme of Apave 'M.MEPI.45' in force,  
En exécution du Règlement 2016/425 du Parlement Européen et du Conseil du 9 mars 2016 relatif aux Équipements de Protection Individuelle et abrogeant la Directive 89/686/CEE et en respect du Programme de Certification Module B de l'Apave 'M.MEPI.45' en vigueur,

**APAVE Sudeurope SAS, notified body identified under number 0082, awards the**  
APAVE Sudeurope SAS, organisme notifié identifié sous le numéro 0082, attribue l'

## **EU TYPE-EXAMINATION CERTIFICATE**

### **Attestation d'examen UE de type**

# **N° 0082/3761/079/12/20/0882**

The following PPE type complies with the applicable essential health and safety requirements  
Le type de l'EPI suivant est conforme aux exigences essentielles de santé et de sécurité applicables

**PPE:** PPE category III – Filtering half mask to protect against COVID-19  
**EPI :** EPI de catégorie III – Demi-masque filtrant pour protéger de la COVID-19

**Trademark: REVOLT**  
Marque commerciale

**Model: MK12A**  
Modèle

**Manufacturer: CILICON - 244 Route de Seysses - Bat 1 - TOULOUSE 31100 - France**  
Fabricant

**Description:** Filtering half mask to protect against COVID-19 without exhalation valve, limited to one shift use. The half mask is foldable with a vertical fold flat shape, designed with a noseclip in coated iron wires and polypropylene, two self-adjusting ear loop harnesses in nylon and spandex and two adjusters in silicone. The filter media is composed of five layers in polypropylene and one layer in polyester low melting point fiber (detailed description in EU type examination report 20.1834).

*Description :* Demi-masque filtrant pour protéger de la COVID-19 sans soupape expiratoire, limité à un seul port. Le demi-masque est de forme plate à pliage vertical, conçu avec une barrette nasale en fils en acier et polypropylène et recouvert, deux brides auto-réglables en nylon et spandex portées derrière les oreilles et deux ajusteurs en silicone. Le média filtrant est composé de cinq couches en polypropylène et une couche en fibre de polyester à bas point de fusion (description détaillée dans le rapport d'examen UE de type 20.1834).

**Technical referential in use: European coordination sheet PPE-R/02.075 version 2**  
Référentiel technique utilisé

**Date of signature (day/month/year): 06/01/2021**  
Date de signature (jour/mois/année)

**Date of issue (day/month/year): 06/01/2021**  
Date de délivrance (jour/mois/année)

**Date of renewal (day/month/year): first edition**  
Date de renouvellement (jour/mois/année) 1<sup>ère</sup> édition

**Date of expiry (day/month/year): 06/01/2022**  
Date d'expiration (jour/mois/année)

**PPE Certification Manager**  
Le Responsable de la Certification EPI  
Immaterial original



*VILA COBARS*  
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Validation électronique



Accréditation N° 5-0596  
Scope available on  
Portée disponible sur  
www.cofrac.fr

**Apave Sudeurope SAS**  
**Centre d'Essais et de Certification EPI**  
**17, Boulevard Paul Langevin**  
**38600 FONTAINE - France**  
**Tél. +33.(0)4.76.53.52.22**

For category III PPE, the certificate shall only be used in conjunction with one of the conformity assessment procedures referred in point c) of Article 19  
Pour les EPI de catégorie III, l'attestation ne doit être utilisée qu'en liaison avec l'une des procédures d'évaluation de la conformité visées à l'article 19, point c).

The manufacturer shall inform the notified body of all modifications to the approved type and of all modifications of the technical documentation that may affect the conformity of the PPE with the applicable essential health and safety requirements or the conditions for validity of that certificate (article 7.2 – annex V)

Le fabricant informe l'organisme notifié de toutes les modifications du type approuvé et de toutes les modifications de la documentation technique qui peuvent remettre en cause la conformité de l'EPI aux exigences essentielles de santé et de sécurité applicables ou les conditions de validité de cette attestation (article 7.2 – annexe V)

This certificate includes one page - Cette attestation comporte une page