AC50 mask

The AC50 is a barrier mask with doucmented effect against Coroan virus (Covid-19).

It provides a protective barrier against viral penetration thorugh the mouth and nose area, for both its user and persons being nearby. It also protects this area against contact with the hands.

- One size - for adults.
- "Pleated" mask made of 2-layer fabric.
- 2 elastic bands for tightening and adjustment at the back of the head.
- Side elastic to seal the mask on the face.
- Adjustable nose clamp.
- The material of the mask does not contain any substance at levels known to be dangerous for the user.
- Maximum duration of use is 4 hours. The mask should then be washed or discarded.

The performance of the material has been validated new and after 50 washing cycles (washing and drying). The AC50 mask can be washed up to 50 times. Machine wash with conventional detergent, without additives, at least 30 min at 60°C.

CEN - "European committee for standardization" - published in June 2020 a "Workshop Agreement" (CWA 17553) regarding “Community face coverings”, reflecting the French standard AFNOR SPEC S76-001 för barrier masks. The AC50 mask meets and exceeds these requirements.

Download the user instruction here.

The AC50 barrier mask is intended for use by healthy people without clinical symptoms of viral infection. It does not replace hygiene actions and the rules of social distancing.

This equipment is neither a medical device within the meaning of regulation EU/2017/745 (surgical masks), nor personal protective equipment within the meaning of regulation EU/2016/425 (filter mask type FFP2).

The AC50 mask is designed according to the AFNOR SPEC S76-001 guide and meets the requirements of the French interministerial note of March 29, 2020 for use as :

1. Mask for public health use of category 1 - UNS 1 :
individual mask for use by professionals in contact with the public
(people assigned to positions or missions involving regular contact with the public).

2. Mask for public health use of category 2 - UNS 2 :
mask with collective aim to protect an entire group wearing these masks
(people in the professional environment having occasional contacts with other people).

Test results

Requirement: Protection efficiency against particles of 3 µm > 90% new and after washing
Results: New 92% and after washing 95%

Requirement: Protection efficiency against particles of 1 µm > 30% new and after washing
Results: New 92% and after washing 91 %

Requirement: Respiratory resistance at 30 litres/minute breahting rate, inspiration < 2,4 mbar & expiration < 3 mbar
Results: 0-1 mbar new and after washing

Technical specification

Material : 2-layer PES 285 g/m² fabric

Service life : Up to 50 washes

Standard : AFNOR SPEC S76-001

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