

EH20
Emergency
Hood

Trusted in Hazardous Environments

AVON

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Hood

Simple, Fast, Effective
Protection against know CBRN threats

Technical Data (All technical data from independent tests. CE certified by TNO Netherlands)

Protection Factor (European standard method)	
Eye zone	Greater than 200
Breathing zone	Greater than 2000
Neck sizes fitted	33-50 cm
Weight ready to wear	Less than 400 g
Breathing resistance	
Inhalation @ 95 l/min	Less than 5 mbar
Exhalation @ 160 l/min	Less than 2.5 mbar
Donning time following training	Less than 30 s
Re-breathed CO ₂ (EN136 method)	Less than 1.0%
Barrier permeation performance	
GB (Sarin)	Greater than 35 min
GD (Soman)	Greater than 40 min
HD (mustard)	Greater than 40 min
Filter performance	
Particulate penetration (NaCl and paraffin oil to EN143)	Less than 0.05%
Gas + vapour protection (NB all gas filter performance in accordance with NIOSH APR escape Cap1 for agents as specified)	
Cyclohexane	Greater than 24 min
Hydrogen Cyanide	Greater than 100 min
Cyanogen Chloride	Greater than 90 min
Phosgene	Greater than 200 min
Hydrogen Sulphide	Greater than 200 min
Sulphur Dioxide	Greater than 30 min
Chloropicrin	Greater than 40 min
Nitrogen Dioxide	Greater than 50 min
Chlorine	Greater than 30 min
Package size (including pouch)	150 x 100 x 65 mm

For further information on the EH20 Emergency Hood please contact:

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In
association
with



Evacuate from a potentially lethal CBRN environment with Avon's EH20 Emergency Hood.

The EH20 is a purpose designed single use CBRN Emergency Hood developed with assistance from the UK Police National CBRN Centre, Winterbourne Gunner. It provides a compact, fast and effective solution for escaping from a chemical, biological or radiological release.

In less than 30 seconds you can be protected; just open the pouch, rip the pack, don the clear view hood and make your escape. At least 20 minutes of protection is provided against principal CBRN agents, allowing you to get to safety.

CE 0088



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Simple, Fast, Effective...

Simple and quick to don in less than 30 seconds. With no adjustment necessary, the 'one size fits all' EH20 Emergency Hood requires minimal training and no individual fitting. It accommodates spectacle wearers, beards and long hair. With its clear profile, it makes it easier to communicate and recognise personnel in a crisis. Once on, the EH20 gives 20 minutes of protection against principle CBRN agents, allowing you to escape to an uncontaminated area.



See and be Seen

Manufactured from clear polyurethane, the EH20 hood gives a wide and clear field of view and allows for instant identification of personnel in an incident. The hood will also protect against splashes of agent to the face area.



Simple, Fast, Effective...

The EH20 is purpose designed to give users almost instant protection in a CBRN attack for up to 20 minutes. User trials have proved that the EH20 can be put on in less than 30 seconds, minimising exposure to dangerous substances and giving you a better chance of surviving a potential lethal attack.

Air Flow Management



Compact Size

The outstanding feature of the EH20 is its compact size. It is vacuum sealed in an impermeable foil bag and then stored in a durable, reinforced pouch which can easily be attached to a belt, kept in a briefcase, glove compartment or drawer. The outer pouch protects from general wear and tear and punctures. If stored correctly the EH20 has a shelf life of 10 years.



Packed Size:
150 x 100 x 65 mm
(6 x 4 x 2.5 inches
approximately)



Stretch and Seal

The highly elastic non-dermatitic neck seal stretches by up to 800% to allow for easy donning of the hood. The polyisoprene barrier material was chosen for its ability to form an extremely tight seal around a sensitive area such as the neck without the feeling of choking. It also provides at least 20 minutes of protection against agent permeation.



Twin low-profile filter

The folding low-profile design of the EH20 has several key integral features which make this product unique.

Folding Design

- allows the hood to be packed to its compact size
- provides a layer of protection to the hood when packed
- allows the hood to be 'one size fits all'
- allows the hood to be self-adjusted

Air Flow

The extremely thin filters feature the latest membrane technology for high efficiency particle removal to P3 level. The novel double outlet valve combined with the unique silicone nose cup ensures that breathing resistance and breathe-back of contaminants is reduced. Internal fogging and re-breathed CO₂ are also minimised.

Silicone elastomer gives the nose cup flexibility and a high degree of comfort, ensuring an excellent fit. This flexibility also allows the hood to pack down to its compact size and accommodate a wide range of facial sizes.