

## Performance Potentials of Civil Protection

In response to new threats such as 11 September 2001 and the flood catastrophe of 2002, the Federal Office of Civil Protection and Disaster Assistance (BBK) was established on 1 May, 2004.

With this Office, the Federal Republic of Germany has a central organisation element for civil safety.

The interdisciplinary approach of this office includes all services of civil safety prevention and links them up to an efficient protection system for the population and its basic survival needs.

Therefore the BBK is not only a technical authority of the Federal Ministry of the Interior (BMI) but also gives competent advice and support to the other Federal and Land authorities to help them with the completion of their tasks.

Hence there is now **one** central authority

- To fulfil the tasks of the Federal government with regard to civil protection and the co-ordination of international co-operation
- To prepare national and area risk analyses, hazard cadastres and emergency planning as well as to co-ordinate civil-military-police co-operation
- To provide conceptual planning and interdisciplinary co-ordination of the protection of critical infrastructures
- To ensure national information, communication and resource management in case of damage
- To co-ordinate technical-scientific research relating to civil protection as well as to the protection of the population against weapons of mass destruction
- To ensure threat-adequate civil protection training of executives at high and highest administrative levels
- To provide national co-ordination of the European integration process in the field of civil safety prevention
- To provide disaster medicine
- To procure equipment for civil protection.

As part of the supplementary disaster management equipment, procured by the Federal Government, in the following the current personal CBRN protective equipment is described in more detail.

IMPORTANT: This flyer does not replace the detailed information provided by manufacturers and suppliers, enclosed with the equipment.



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Federal Office  
of Civil Protection and  
Disaster Assistance



## Personal CBRN Protective Equipment of the Federal Government



## The CBRN Personal Protective Equipment

The CBRN personal protective equipment corresponds to today's state of the art technology and protects its wearer against hazards caused by radioactive, biological and chemical contamination.

The Federal Government provides to the Laender about 50,000 kits of the CBRN Personal Protective Equipment (PPE).

One set of the PPE consists of the following items:

- Overgarment for protection against agent vapours and aerosols
- Liquidproof protective clothing
- Protective respiratory mask and filter (2 filters per set)
- Chemical protective gloves
- Liner gloves
- Protective Footwear
- Socks
- Carrier bag for protective respiratory mask and filter

A modern self-aid kit is planned for a future procurement.

## The Items in Detail



### Overgarment

- Protection against vapours and tiny drops of chemical agents (aerosols). No protection against liquids
- Multi-layer fabric: Liquid resistant upper layer, adsorbing filter layer
- Adsorbing effect of the filter layer is caused by activated carbon spherical adsorbers
- has got a CE label.

### Liquidproof Protective Clothing

- Protective clothing according to type 3
- Protection against contamination caused by CBRN hazardous substances (liquids and particles)
- Can be worn separately or over the overgarment
- Laminate of various plastic layers > thus wide range protection, comparable to a chemical protection suit
- Particularly wide cut for additional comfort



### Respiratory Mask

- Facepiece corresponds to standard pressure version
- NBR natural rubber compound
- Good view thanks to single viewing glass

### Filter

- ABEK2 Hg P3 filter
- Protection against: Organic gases and vapours with boiling point > 65°C; inorganic gases and vapours (e.g. chlorine, hydrogen sulphide, hydrocyanic acid, excluding carbon monoxide), sulphur dioxide, other acid gases and vapours, ammonia and organic ammonia derivatives
- Medium adsorption capacity
- Separation of mercury
- Particle filter with high separation capacity



### Carrier Bag

- For the transport of protective respiratory mask, filters and self-aid kit
- Corresponds to specifications of German Army
- Thanks to age resistant material almost unlimited storage capacity



### Protective Gloves

- Manufactured from butyl rubber with corresponding retention spectrum

### Protective Footwear

- Corresponding to type S 5
- Manufactured on the basis of butyl rubber
- Oil resistant sole
- Antistatic



### Liner Gloves

- For comfortable and safe use of the protective gloves > better grip, sweat absorption
- Pure cotton material, washable



### Functional Socks

- For comfortable and safe use of protective footwear > better fit
- Breathable climatic fibre > moisture transport