

CHEMICALS

## THESE MATERIALS STRENGTHEN YOUR DEFENCE SYSTEM

The tricky thing about chemicals is that the dangers they pose are sometimes barely noticeable. That's why we use fabrics that ensure that nothing can penetrate to the skin. Suitable underwear included. How good that despite all protection we never lose sight of important aspects such as pleasant material properties and above all: freedom of movement.





# HB-CHEMstandard

Comfortable in dangerous environments: HB-CHEMstandard combines reliable chemical protection in accordance with EN 13034: type 6 and extraordinary wearing properties that even have the benefit of being slightly warming due to the characteristics of the material.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME		REGULAR SIZES
1   2   4   5		56	iron grey	EN 13034 Type 6	46-58 & 94-110
3					39/40-47/48

## JACKET

Chemical protection type 6  
Part number: **02001 10136 001 56**  
Garment weight: approx. 535 g

Single-coloured • turn-down collar • closure band with covered snap fasteners on both sides • 1 front pocket on the left and 2 side pockets with flaps and covered snap fasteners • 1 inner front pocket on the right • sleeve hem width adjustable via inner covered snap fasteners.



Side pockets with flaps and covered snap fasteners



## COAT

Chemical protection type 6  
Part number: **02001 40032 001 56**  
Garment weight: approx. 690 g

Single-coloured • lapel collar, also worn tightly closed • closure band with covered snap fasteners on both sides • 1 front pocket on the left and 2 side pockets – each with flaps and covered snap fasteners • 1 inner front pocket on the right • sleeve hem width adjustable via inner covered snap fasteners.





**SHIRT**

Chemical protection type 6  
 Part number: **02001 60000 004 56**  
 Garment weight: approx. 490 g

Single-coloured • turn-down collar • closure band with buttons • 1 front pocket on the left with flap and buttoning • wristband with buttoning.



3 |



4 |

Ruler pocket

**TROUSERS**

Chemical protection type 6  
 Part number: **02001 20085 001 56**  
 Garment weight: approx. 535 g

Single-coloured • added waistband with 7 belt loops • 2 slant pockets, 1 hip pocket on the right with flap and covered hook&loop fastener • 1 ruler pocket on the right with flap • covered button fly.



5 |

Stretch braces with clamp-on clips

**BIB AND BRACE TROUSERS**


Chemical protection type 6  
 Part number: **02001 50063 001 56**  
 Garment weight: approx. 665 g

Single-coloured • stretch braces with clamp-on clips • 1 outer bib pocket and 1 hip pocket on the right – each with ap and covered hook&loop fastener • 2 side seam pockets • 1 ruler pocket on the right with flap • covered button fly • 2 side accesses adjustable via buttons.

**MATERIAL:** 100 % POLYACRYLIC, FC-EQUIPMENT · **FABRIC WEIGHT:** approx. 270 g/m<sup>2</sup> ·

**REPELLENCY AND PENETRATION INDEXES:** Repellency index A (%): Sulphuric acid 30%: 99.8, Sodium hydroxide solution 10%: 99.5, o-Xylene: 96.2, Butan-1-ol: 96.3, hydrochloric acid 36%: 99.0, Nitric acid 65%: 97.7;  
 Penetration index P (%): Sulphuric acid 30%: 0.0, Sodium hydroxide solution 10%: 0.0, o-Xylene: 0.6,  
 Butan-1-ol: 0.5, hydrochloric acid 36%: 0.4, Nitric acid 65%: 0.0 ·

**FIELDS OF APPLICATION:** Chemical and petrochemical industry, steel industry, automotive industry, battery factories, laboratories and electroplating



# HB-CHEMcomfort Antistatic

This light-weight fabric combines chemical protection and permanent antistatic properties – a perfect solution for many specialised manufacturing processes.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME			REGULAR SIZES
1		2082	anthracite/dark blue	EN 13034 Type 6	EN 1149-5	46-58 & 94-110
1 ,3 ,4		41	royal			
2		58	anthracite			39/40-47/48



Inner front pocket

## JACKET

Chemical protection type 6

Part number: **02006 10003 006 + COLOUR NO.**

Garment weight: approx. 510 g

## JACKET

Chemical protection type 6

Part number: **02006 10053 000 2082**

Garment weight: approx. 510 g

Single-coloured or two-coloured • turn-down collar • closure band with covered snap fasteners on both sides • 1 front pocket on the left and 2 side pockets – each with flaps and covered snap fasteners • 1 inner front pocket on the right • sleeve hem width adjustable via inner covered snap fasteners.

2|



## SHIRT

Chemical protection type 6

Part number: **02006 60002 005 + COLOUR NO.**

Garment weight: approx. 470 g

Single-coloured • turn-down collar with added band • closure band with covered snap fasteners on both sides • 1 front pocket on the left with flap • wristband with let-in piece and adjustable snap fasteners.



### TROUSERS

Chemical protection type 6

Part number: **02006 20003 028 + COLOUR NO.**

Garment weight: approx. 500 g

Single-coloured • added waistband with 7 belt loops • 2 side seam pockets, 1 hip pocket on the right – each with flap and covered snap fastener • 1 ruler pocket on the right • covered button fly.

### BIB AND BRACE TROUSERS

Chemical protection type 6

Part number: **02006 50002 054 + COLOUR NO.**

Garment weight: approx. 595 g

Single-coloured • stretch braces with clamp-on clips • 1 outer bib pocket and 1 hip pocket on the right – each with flap and covered snap fastener • 2 side seam pockets • 1 ruler pocket on the right • covered button fly • 1 side access on the left, with buttons.

**MATERIAL:** 99 % POLYESTER, 1 % CARBON, FC-EQUIPMENT

**FABRIC WEIGHT:** approx. 240 g/m<sup>2</sup>

**REPELLENCY AND PENETRATION INDEXES:** Repellency index A (%): Sulphuric acid 30 %: 99.8, Sodium hydroxide solution 10 %: 99.6, o-Xylene: 90.9, Butan-1-ol: 94.2; Penetration index P (%): Sulphuric acid 30 %: 0.0, Sodium hydroxide solution 10 %: 0.0, o-Xylene: 5.7, Butan-1-ol: 2.9

**FIELDS OF APPLICATION:** Chemical industry, steel industry, automotive industry, battery factories, laboratories, electroplating

HB-CHEM

# HB-CHEMcomfort Antistatic

Also the light-weight coats for ladies and men combine chemical protection and permanent antistatic properties. They are the perfect solution for many specialised manufacturing processes. Available in white, royal blue and anthracite.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME			REGULAR SIZES
1		10	white	EN 13034 Type 6	EN 1149-5	36/38-44/46
2		10	white			
		41	royal			
		58	anthracite			46-58 & 94-110



All pockets with flap and covered snap fasteners



## LADIES COAT

Chemical protection type 6  
Part number: **02006 40018 000 10**  
Garment weight: approx. 580g

Single-coloured • lapel collar, also worn tightly closed • closure band with covered snap fasteners on both sides • 1 front pocket on the left and 2 side pockets – each with flaps and covered snap fasteners • sleeve hem width adjustable via inwards covered snap fasteners.

## MEN'S COAT

Chemical protection type 6  
Part number: **02006 40002 004 10**  
Garment weight: approx. 640g

## MEN'S COAT

Chemical protection type 6  
Part number: **02006 40002 000 + COLOUR NO.**  
Garment weight: approx. 640g

Single-coloured • lapel collar, also worn tightly closed • closure band with covered snap fasteners on both sides • 1 front pocket on the left and 2 side pockets – each with flaps and covered snap fasteners • 1 inner front pocket on the right • sleeve hem width adjustable via inwards covered snap fasteners.

**MATERIAL:** 99% POLYESTER, 1% CARBON, FC-EQUIPMENT

**FABRIC WEIGHT:** approx. 240 g/m<sup>2</sup>

**REPELLENCY AND PENETRATION INDEXES:** Repellency index A (%): Sulphuric acid 30%: 99.8, Sodium hydroxide solution 10%: 99.6, o-Xylene: 90.9, Butan-1-ol: 94.2; Penetration index P (%): Sulphuric acid 30%: 0.0, Sodium hydroxide solution 10%: 0.0, o-Xylene: 5.7, Butan-1-ol: 2.9

**FIELDS OF APPLICATION:** Chemical industry, steel industry, automotive industry, battery factories, laboratories, electroplating

**HB-CHEM**



# HB-CHEM FUNCTIONAL UNDERWEAR



Underwear is an important supplement to ensure comprehensive chemical protection. The low humidity absorption and the slight warming effect allow for optimal wearing comfort – an important component of an optimal protection system.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	SIZES
1 , 2		11	off-white	6-8

### UNDERSHIRT LONG-SLEEVED

Chemical protection type 6  
Part number: **02008 76008 000 11**  
Garment weight: approx. 200g

Edged neckline • short-sleeved opening with stretchy double-stitched seam • hem with stretchy double-stitched seam.



Hem with stretchy double-stitched seam

### UNDERSHIRT SHORT-SLEEVED

Chemical protection type 6  
Part number: **02008 76009 000 11**  
Garment weight: approx. 170g

Edged neckline • short-sleeved opening with stretchy double-stitched seam • hem with stretchy double-stitched seam.



Hem with stretchy double-stitched seam

### UNDERPANTS LONG

Chemical protection type 6  
Part number: **02008 76010 000 11**  
Garment weight: approx. 200g

Elastic waistband • double-sided fly • leg opening with knitted cuffs.



Leg opening with knitted cuffs

**MATERIAL:** 100 % POLYACRYLIC

**FABRIC WEIGHT:** approx. 170 g/m<sup>2</sup> · **CHARACTERISTICS:** Rib knit, modern and form-fitting design

**FIELDS OF APPLICATION:** Underwear for: chemical industry, steel industry, automotive industry, battery factories, laboratories, electroplating

