

# PRODUCT INFORMATION

## Protective overboots Type PB-3 / PB-3B

For the safe handling of chemical substances and biological agents

### Summary

- + **Maximum protection and wearing comfort:** Type-tested and certified as complex PPE<sup>1</sup> of the highest category III.
- + **Application range:** Protection against chemical and biological hazards.
- + **Protective properties:** Reliable barrier against numerous water based inorganic chemicals at low concentration (even under pressure) and hazardous particles (category III, type 3-PB). Protection against infectious agents. Suitable for use with the listed substances (see permeation table).  
No guarantee for protection against all chemicals!
- + **Change interval:** In accordance with country-specific regulations and requirements or according to permeation table; for biological agents max. one working shift, in case of visible defects immediately. Single use product!
- + **Before use:** Check for any damage! Do not use damaged overboots!

1 Personal protective equipment in accordance to 89/686/EEC.

### Versions

<b>Size</b>	<b>uni</b>
<b>Item no. (non-sterile; PU= 15 pairs)</b>	100044
<b>Colour</b>	yellow
<b>Sole</b>	non-slip
<b>Height of boot</b>	450 mm

### Protection against mechanical hazards

Physical data	Test standard	Test result	Performance level
Abrasion resistance	EN 530 Type 2	> 2.000 cycles	6 / 6
Trapezoidal tear resistance	EN ISO 9073-4	26,4 N weft, 47,2 N warp	2 / 6 or 3 / 6
Tensile strength	EN ISO 13934-1	62 N weft, 110 N warp	2 / 6 or 3 / 6
Puncture resistance	EN 863	14,2 N	2 / 6
Flex cracking resistance	EN ISO 7854	> 100.000 cycles	6 / 6
Antistatic	EN 1149-5	1,6 x 10 <sup>8</sup>	Pass – inner side

## Protection against chemical hazards

Permeation tested to the given standards.

Substance	Test method	Breakthrough time (minutes)	Permeation level
Sulphuric acid, 30%	EN ISO 6530	> 480 min	6 / 6
Sulphuric acid, 50%	EN ISO 6530	> 480 min	6 / 6
Sulphuric acid, 96%	EN ISO 6530	> 480 min	6 / 6
Phosphoric acid, 85%	EN ISO 6530	> 480 min	6 / 6
Nitric acid, 70%	EN ISO 6530	> 480 min	6 / 6
Hydrochloric acid, 37%	EN ISO 6530	197 min	4 / 6
Sodium hydroxide, 50%	EN ISO 6530	> 480 min	6 / 6
Ethylene glycol	EN ISO 6530	> 480 min	6 / 6

## Barrier properties against biological agents

In accordance to EN 14126:2003

Test	Test method	Test results	Performance level
Resistance to penetration by blood-borne pathogens under pressure (Virus Phi-X174 Test)	ISO 16604	20 kPa	6 / 6
Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids	ISO 22610	Breakthrough time t > 75 min	6 / 6
Resistance to penetration by contaminated liquid aerosols	ISO 22611	Penetration Ratio: log > 5	3 / 3
Resistance to penetration by contaminated particles	ISO 22612	Penetration: (log cfu): ≤ 1	3 / 3

## CE-marking and certifying body

CE 0624 – Centro Tessile Cotoniero e Abbigliamento S.p.A.  
P.zza Sant'Anna, 2-21052 Busto Arsizio (VA), Italy

## Storage and shelf life

Storage – dark, protect against UV light, 15° to 25° C, dry  
Shelf life – 5 years from date of manufacture

## Manufacturer / Distributor

**Manufacturer:** Asatex AG, August-Borsig-Straße 2, 50126 Bergheim; Germany

**Distributor:** Berner International GmbH, Werner-von-Siemens-Str. 19, 25337 Elmshorn, Germany  
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