

# Paul Boyé

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## NBC PROTECTIVE SUIT TOMPADF MODEL

### GENERAL FEATURES

#### Performances of the outer layer :

Designation : Sergé Aramid/Viscose FR 50/50

Weight : 190 g/m<sup>2</sup> +/- 10

Tensile strength : warp = 75 daN weft = 60 daN

Tear strength : warp = 4 daN weft = 4 daN

Abrasion : > 40000

Flammability : Class B, Indice 3

#### Performances of the inner layer : Densified polyurethane foam

impregnated with activated charcoal bonded on one

side to a cotton/polyester knitted fabric

Thickness of the foam : 1mm

#### Performances of the complex (fabric + foam) :

Weight of the complex : < 470 g/m<sup>2</sup>

Wear time:

- in a contaminated environment : 24 h minimum

- in a safe environment : 1 month

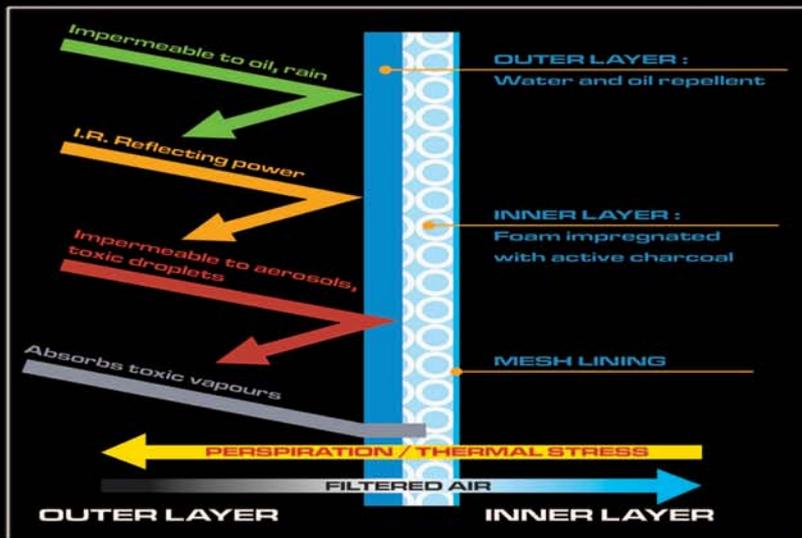
Washable with neutral detergent

Shelf life : more than 10 years in the original

vacuum-sealed packing



### COMPLEX BARRIER FEATURES



### DENSIFIED POLYURETHANE FOAM

#### SD test, vapour diffusive test

new material > 8 hours

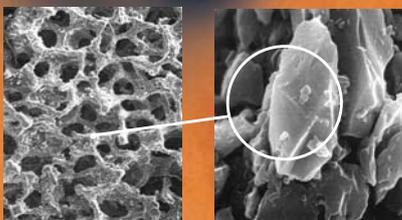
after ageing (8 days, 85°C) > 8 hours

#### Air permeability (NF EN ISO 9237)

1100 l/m<sup>2</sup>.s (100 Pa)

#### Dynamic adsorption capacity (2 cm/s)

7,52 mgHD/cm<sup>2</sup>



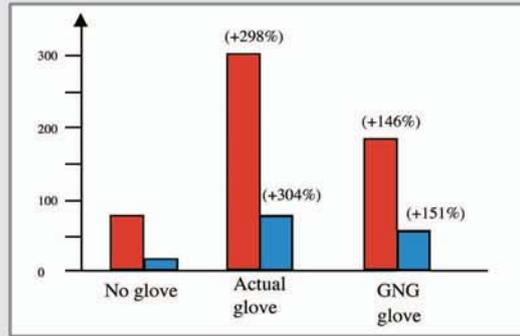
The New Generation Gloves (GNG) follow the same concept of filtering as the NBC protective suit. It is composed of an outer layer and a filtering foam. The outer layer of the glove is mixed: it has a water and oil resistant treated leather patch in the palm of the hand and the rest is made of a fabric which is also water and oil repellent. The filtering complex is made of polyurethane foam impregnated with activated charcoal.

This bi-component glove is sewn enabling both tactile perception and breathability. The permeable fabric is used where the thermal exchanges are highest (on the back of the hand). The leather, which is impermeable and mechanically highly resistant, has an important property of transmitting tactile information and gives high tactility and dexterity.

For the first time, a thin N.R.B.C protective glove has been made with outer and inner layers assembled together at wrist level to form one glove.

Dexterity tests (Minnesota and Washer tests) performed by the "Centre d'Etudes du Bouchet" - French Army Laboratory - (DGA) showed an increase of more than 50% compared to previous N.R.B.C gloves.

**PROTECTION GLOVES : G.N.G. MODEL**



**NATO Minnesota test**

**NATO Washer test**

Same composition as the suit :  
 - inner glove made of carbon impregnated foam  
 - outer glove made of FR fabric and leather

Dexterity test :  
 - Air temperature : 44°C  
 - Relative humidity 43%

**GNG GLOVES PROVIDES AN EXCELLENT DEXTERITY AND NBC PROTECTION**



leather

Cuff tightening by self-attaching strap

chemical tight double sleeve

**PATENTED MODEL**

back side in textile

**NEW GENERATION GLOVES**

**N.R.B.C. PROTECTIVE SOCKS**

The N.R.B.C protective socks have been developed by Paul Boyé to provide optimal comfort and maximum protection for the wearer.

They are made of a filtering complex similar to the one used for N.R.B.C protective suits, T.O.M. model.

N.R.B.C socks are worn with combat boots allowing the wearer to maintain an excellent mobility.

The assembling technology used provide the best comfort possible while reducing fabric overlapping and thus avoiding any foot injury due to friction.

The user can use the same boot size.



**2 MODELS available with or without Velcro fastening system**

**THE WORLD'S PREFERRED N.R.B.C SUITS**



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