

# M2

## NBC protective suit

The M2 protective filtering suit is intended for efficient multiple protection of the wearer against the effects of gases/vapors and for single protection against the effects of droplets/aerosols. It also provides protection against burning thermal radiation impulse of nuclear explosion and napalm composition droplets.

### TECHNICAL DATA:

The M2 protective filtering suit consists of the inner and outer layer. The inner is made from NBC filtering material, the outer is made of Polyester/Cotton mixture camouflage fabric, for visual and near IR area (650-1000nm). The suit is oil and water resistant. It is available in three sizes: small (S), medium (M) and large (L) size. The weight of the suit is not more than 3 kg.

The protection capacity against S-lost, vapors, in concentration  $20 \text{ mg/m}^3$ , is minimum 6 hours. The protection capacity against S-lost, drops, in concentrations of  $10 \text{ g/m}^2$ , is minimum 24 hours. The suit can be washed 6 times without changing its characteristics.

The suit should not burn on impact of burning thermal radiation impulse of nuclear explosion, strength 3 kt and energy  $60 \text{ J/cm}^2$ , in 1second lasting and on impact napalm composition droplets do not burn for at least 15 seconds. Air permeability of fabrics that the M2 suit is made from under  $\Delta P = 100 \text{ Pa}$  is minimum  $6 \text{ m}^3/\text{m}^2 \cdot \text{min}$ . The M2 protective suit can be used at temperatures ranging from  $-30^\circ\text{C}$  to  $+50^\circ\text{C}$ . It is compatible with protective mask, gloves, overcoat (over garment), socks boots and helmet.

The M2 protective suit unit packaged in PE/Al/PA-bag contains separately packed pants and blouse. The same five sizes of the suit are packaged in water resistant cardboards of  $600 \times 400 \times 400 \text{ mm}$  in dimension.

The M2 protective suit in its original packing is to be stored in dark areas at temperatures ranging from  $+5^\circ\text{C}$  to  $25^\circ\text{C}$  and at relative humidity of  $60 \pm 10\%$ . Shelf life of original packaging in the prohibited conditions of storage is 15 years.

