



## TECHNICAL DATA SHEET

# Evacuation suit

## type EO 1

Fire protective evacuation suit is an innovative product in the field of fire protection. This suit with wet flame-retardant treatment is designed for immediate evacuation of people from burning buildings or other objects.

**EC Type-Examination Certificate No. 180056 T/NB** issued by the Institute for Testing and Certification, Inc., Zlín, confirms that the suit fulfils the **essential health and safety requirements of the Council Directive 89/686/EEC** as they are stated in the technical standards:

ČSN EN ISO 13688:2014 (EN ISO 13688:2013)

ČSN EN ISO 14116:2016 (EN ISO 14116:2015) [*index: 3*]

Manikin test according to the standard ISO 13506:2008 was performed. Flame exposure time was 8 seconds. There was no ignition, the exposed areas of the suit were not damaged and were still soaking wet after the test. The burn injury prediction results were comparable with the values which would get a mid-range weight firefighters suit.

The product is in accordance with the requirements of European standard EN 469 - Protective clothing for firefighters - Performance requirements for protective clothing for firefighting - in these parameters:

- Flame spread
- Heat transfer – flame – level 1
- Heat transfer – radiation – level 1
- Heat resistance

These parameters were confirmed by the **Certificate No. 17-013** issued by TZU (Textile Testing Institute in Brno) on 24.1.2017.

The product is in accordance with **Act No. 157/1998 Coll.** on chemical agents and products and on amendments to some acts.

The evacuation suit is safe for human health when coming into prolonged contact with skin. The product complies with the safety requirements of **Act. No. 102/2001 Coll., on general safety of products**, in current wording. **Expert opinion on health safety** was issued by the National Institute of Public Health on 14. 11. 2016.

### Key features:

- Protects from flames and radiant heat
- Can withstand up to 1200 °C for a short time
- No melting of the base material during thermal degradation
- Helps to cool the user or burning objects
- Ecological, biodegradable
- Non-corrosive and non-toxic
- Safe and easy to use
- Can be used at low temperatures (to -5 °C)

#### Address

NANO TECHNOLOGI CZ s.r.o.  
Václavské náměstí 808/66  
110 00 Praha 1  
Czech Republic

#### Phone

+420 491 470 662  
**Mobile**  
+420 605 777 589

#### E-mail / web

paar@nanotechnologi.com  
www.nanotechnologi.com  
databox: bhrwmpw

#### IN 03769381

**TIN** CZ03769381

#### Bank account

**IBAN**  
CZ25 0300 0000 0002 6943 2658  
**BIC (swift)**  
CEKOCZPP

- **The suit is permanently wet!**
- **Avoid contact with electricity and electrical machines!**

#### Use of evacuation suit:

- Designed for immediate evacuation of people from burning buildings and objects. This special wet suit substantially reduces the effects of fire and heat.
- The suit is designed for limited flame spread, to reduce the possibility of ignition of the suit and hence reduce the risk of burns caused by the materials themselves, i.e., protects the user against accidental short-term contact with small flames.

#### Where the evacuation suit can be used:

##### Civil sector

- Houses and hotels
- Office buildings
- Shopping centres and multifunction centres
- Cinemas and theatres
- Sports halls
- Tall buildings
- Underground parking

##### Transport

- Private transport
- Public transport
- Transport terminals
- Tunnels

##### Industry

- Manufacturing industry
- Chemical industry
- Mining industry

##### Rescue teams

- Protection of evacuated persons in the event of a fire
- Evacuation of rescue teams under special conditions

##### Police and military

- Tank crews
- Soldiers in bunkers and buildings
- Special troops
- Personnel of military bases and hospitals
- Police

#### Use limitations:

- The suit is not intended for fire fighting or long stay in a fire area!
- The user is obliged to move to a safe place immediately after a fire breaks!
- The suit does not provide protection against burning, only improves the conditions associated with escaping from the area affected by the fire.

#### Address

NANO TECHNOLOGI CZ s.r.o.  
Václavské náměstí 808/66  
110 00 Praha 1  
Czech Republic

#### Phone

+420 491 470 662  
**Mobile**  
+420 605 777 589

#### E-mail / web

paar@nanotechnologi.com  
www.nanotechnologi.com  
databox: bhrwmpw

#### IN 03769381

**TIN** CZ03769381

#### Bank account

**IBAN**  
CZ25 0300 0000 0002 6943 2658  
**BIC (swift)**  
CEKOCZPP

- Avoid contact with electricity or electric machines!
- Take the suit off as soon as you leave the burning area!
- Do not wash, dry clean, bleach or iron.
- Single use. Do not re-use.

#### Storage and disposal:

- Store in dry conditions in original packaging.
- Store away from direct sunlight.
- Store within the temperature range -15°C to +50°C.
- Replace if damaged, heavily contaminated, expired or in accordance with local practice.
- Handle and dispose suits with care and in accordance with national regulations.

#### Technical parameters:

The evacuation suit is made of a special textile and infused with a solution – wet treatment. The suit is designated to use for evacuation of people from burning buildings before the arrival of professional rescue teams.

**Shelf life:** 5 years from the production date



**Address**  
 NANO TECHNOLOGI CZ s.r.o.  
 Václavské náměstí 808/66  
 110 00 Praha 1  
 Czech Republic

**Phone**  
 +420 491 470 662  
**Mobile**  
 +420 605 777 589

**E-mail / web**  
 paar@nanotechnologi.com  
 www.nanotechnologi.com  
 databox: bhrwmpw

**IN** 03769381  
**TIN** CZ03769381

**Bank account**  
**IBAN**  
 CZ25 0300 0000 0002 6943 2658  
**BIC (swift)**  
 CEKOCZPP

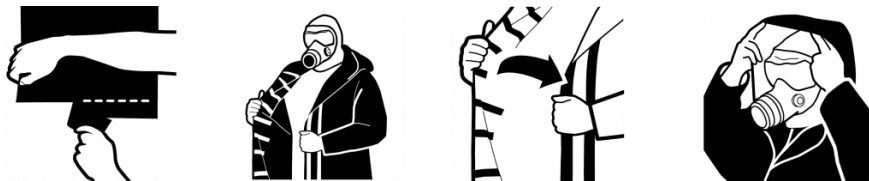
## Instructions for use:

1. Tear the packaging and take out the suit
2. Put the evacuation suit on
3. Fasten the Velcro
4. Put the hood on

**Immediately leave the fire area!**

**Avoid contact with energized electrical equipment!**

**Take the coat off as soon as you leave the burning area!**



### IMPORTANT NOTICE:

This guide is only an outline. It should not be used as the only means for selecting protective clothing. Before using any protective clothing, the wearer must read and understand the user instructions for each product. Specific country legislation must be observed. If in doubt, contact a safety professional. Selection of the most appropriate protection will depend on the particular situation and should only be made by a competent person.

This information is subject to revision at any time. Always read and follow all User Instructions.

**LIMITATION OF LIABILITY:** Except as provided above, the producer shall not be liable or responsible for any loss or damage, whether direct, indirect, incidental, special or consequential arising out of the sale, use or misuse of the products, or the user's inability to use such products.

#### Address

NANO TECHNOLOGI CZ s.r.o.  
Václavské náměstí 808/66  
110 00 Praha 1  
Czech Republic

#### Phone

+420 491 470 662

#### Mobile

+420 605 777 589

#### E-mail / web

paar@nanotechnologi.com  
www.nanotechnologi.com  
databox: bhrwmpw

#### IN 03769381

TIN CZ03769381

#### Bank account

#### IBAN

CZ25 0300 0000 0002 6943 2658

#### BIC (swift)

CEKOCZPP