# INSTRUCTIONS FOR USE

PROTECTIVE COVERALL
CLASS I TYPE 5 / 6, CATEGORY III
MODEL: **ALIVE PPE 9050**

**PURPOSE:** Alive PPE protective coverall is a protective clothing with limited life, EN ISO 13688:2013 general requirements for protective clothing. Type 6 protection (according to EN 13034: 2005 + A1: 2009) and Type 5 (according to ISO 13982-1: 2004 / A1: 2010).

Type 5 / 6 protective coverall with hood is made of 100% polypropylene with a polyethylene film and is designed to protect workers from hazardous substances. It is used for chemical protective clothing offering limited protective performance against liquid chemicals Type 6, chemical protective clothing providing protection to the full body against air bone solid particulate Type 5, limited wear life clothing, protective clothing against infective agents for Type 5-B, 6-B.

**PROPERTIES:**

Hood: Two-panel hood
Cuff: Elastics
Zipper: one-sided zipper with self-adhesive flap,
Fabric: Nonwoven PP grammage=35 gr/m$^2$, PE film grammage=18 g/m$^2$, Hotmelt grammage=2 g/m$^2$ tolerance +-%10.

**LIMITATIONS:**

Exposure to certain Chemicals or high concentrations may require higher protective properties through the material or construction properties of the coverall. The user will be the only one to assess compliance with the required type of protection and proper connection of the coverall with additional protective equipment.

**METHOD OF PUTTING ON AND USING THE COVERALL:**

Before use, check that the selected product is suitable for the existing hazard and in the correct size
Check visually that the coverall is intact (no piercing, no torn seams, etc.)
Remove the coverall from the packaging, open the zipper and put on the coverall. Fasten the zipper completely. Adhere the self-adhesive flap.
If protective gloves and/or shoe covers are used, seal the connection of the sleeves and gloves with the shoe covers with self-adhesive tape.

**CONFORMITY WITH STANDARDS**

| | |
|---|---|
| EN ISO 13688:2013 | General requirements for protective clothing. |
| EN ISO 13982-1:2004-A1:2010 | Chemical protective clothing providing protection to the full body against air bone solid particulate TYPE 5 |
| EN 13034:2005+A1:2009 | Chemical protective clothing offering limited protective performance against liquid chemicals for TYPE 6 |
| EN 14126:2003/AC:2004) | Protective clothing against infective agents for TYPE 5-B, 6-B |

**SIZES AND DIMENSIONS OF BODY (CM)**

| | S | M | L | XL | 2XL | 3XL |
|---|---|---|---|---|---|---|
| Fr.Length from HPS | 171,5 | 174 | 176,5 | 179 | 181,5 | 184,0 |
| 1 / 2 Chest | 54,5 | 56,5 | 58,5 | 60,5 | 62,5 | 64,5 |
| Sleeve Length | 78,0 | 79,5 | 81,0 | 82,5 | 84,0 | 85,5 |

**PRODUCT LABEL (EXAMPLE):**

Producer: NARKONTEKS
TEKSTİL İHR.İTH.SAN. VE TİC.A.Ş.
Dogus Cd, 3/19 Sk, No:12, Begos 35160,
Buca/IZMIR/TURKEY - 0090-232-4408686

Style Code: ALIVE PPE 9050
CLASS I TYPE 5 / 6, CATEGORY 3

**MAINTENANCE AND CLEANING:**

EN 13034:2005-A1:2009 TYPE 6

EN14126:2003 AC:2004 TYPE 5-B TYPE 6-B

EN ISO 13982-1: 2004-A12010 TYPE 5

CE 2163

8 682780 958034 **S**
8 682780 958324 **M**
8 682780 958331 **L**
8 682780 958348 **XL**
8 682780 958355 **2XL**
8 682780 958362 **3XL**

**WARNINGS:**

*Care should be taken when removing contaminated garments, so as not to contaminate the user with any hazardous substances. If garments are contaminated then decontamination procedures should be followed (i.e. decontamination shower) prior to the removal of the garment. This coverall is not designed for use in extreme environments.

*The wearing of chemical protective clothing may cause heat stress, if appropriate consideration is not given to the workplace environment and performance of the protective clothing in terms of comfort ratings. For advice on the suitability of the coverall in your environment please contact NARKONTEKS.

*Appropriate undergarments should be considered to minimise heat stress or damage to your garment. For advice please contact NARKONTEKS.

*The determination of suitability of NARKONTEKS products for an application is the final responsibility of the user. This product is recommended for single use application. Upon contamination wear are damage the garment should be removed and appropriately disposed of at the earliest convenience.

*Where NARKONTEKS products are used in conjuction with other PPE, and for full "Type" protection it is necessary to tape cuffs to gloves, ankles to boots, the hood to the respiratory device. The user shall be the sole judge for the correct combination of NARKONTEKS garment and additional PPE.

**TRANSPORT, STORAGE AND DISPOSAL:**

The product must be transported and stored in the original packaging in dry rooms away from sources of light and heat. If the coverall is not contaminated, they can be disposed of with solid municipal waste. If they have been contaminated, they must be disposed of in accordance with applicable lawsand regulations.

**USETIME:**

İt is suggested to use the product within a period of five years from the date of production written on label Month and year of production: MM/YYYY

**TEST REPORTS:**

| Test Requirement | Unit | Finding | Standard |
|---|---|---|---|
| The Average Thickness of the Material Tested | mm | 0,20 | ISO 16603 |
| The Average Mass of the Material Tested | gr | 0,285 | ISO 16603 |
| Microbial Penetration - Dry Bacterium | log cfu | <1 | ISO 22612 |
| Talc Concentration | cfu/g | $4,9*10^4$ | ISO 22612 |
| Microbial Penetration - Wet Bacterium Bacillus atrophaeus Concentration | spores/mL | $5,8*10^3$ | ISO 22610 |
| Hydrostatic Pressure | kPa | 20 | ISO 16604 |
| Pre-test Bacteriophage Titer | pfu/mL | $4,8*10^8$ | ISO 16604 |
| Post-test Bacteriophage Titer | pfu/mL | $4,4*10^8$ | ISO 16604 |

| Test Requirement | Finding | Standard |
|---|---|---|
| Abrasion | Class 5 | EN ISO 12947-2 |
| Water Permeability | Class 5 | EN ISO 811:2018 |
| Tear Strength | Class 2 | TS EN ISO 9073-4:2002 |
| Tensile Strength | Class 1 | EN ISO 13934-1:2013 |
| Repellency to Liquids | Class 1 | EN ISO 6530:2005 |
| Resistance To Penetration By Liquids | Class 3 | EN ISO 6530 |
| Seam Strength | Class 1 | ISO 13935-2: 2014 |
| Puncture Resistance | Class 1 | EN 863 |
| Determination of resistance to damage by flexing | Class 5 | ISO 7854 :1995 |
| Microbiological Tests Wet-Bacterial Penetration | Class 6 | BS EN 22610: 2006 |

| Test Requirement | Result | Standard |
|---|---|---|
| Inward Leakage Testing | Pass | EN 13982-1:2018 |
| Resistance to the penetration of liquids (Spray Test) | Type 6 | EN 13034+A1:2011 |

**FABRIC TEST RESULTS**

| TEST REQUIREMENT | UNIT | TARGET | TOLERANCE | AVERAGE | TEST METHOD |
|---|---|---|---|---|---|
| Nonwoven Grammage | [g/m$^2$] | 35 | ± %10 | 35,3 | EDANA 40.3-90 |
| PE Grammage | [g/m$^2$] | 18 | ± %10 | 18,4 | EDANA 40.3-90 |
| Hotmelt Grammage | [g/m$^2$] | 2 | ± %10 | 2,05 | EDANA 40.3-90 |
| Total Grammage | [g/m$^2$] | 55 | ± %10 | 55,75 | EDANA 40.3-90 |
| Tensile Strength MD | [N/25mm] | 60 | ± %20 | 59,0 | EDANA 20.2.89 |
| Tensile Strength TD | [N/25mm] | 30 | ± %20 | 34,0 | EDANA 20.2.89 |
| Elongation at Break MD | % | 50 | ± %20 | 45,0 | EDANA 20.2.89 |
| Elongation At Break TD | % | 80 | ± %20 | 77,0 | EDANA 20.2.89 |
| Tearing Resistance MD | gf | 1100 | ± %20 | 1200,0 | ASTM B1424 |
| Tearing Resistance CD | gf | 1800 | ± %20 | 1780,0 | ASTM B1424 |
| Water Vapour Transfer Rate | g/m 2.6 hours | > 1500 | ± %20 | 3700,00 | ASTM E 398 |
| Lam. Peeling Strength | [N/25mm] | 2 | ± %20 | 2,01 | EDANA 401.0.R0 |
| Spectrophotometry | AE | < 2.5 | ± %20 | - | ISO 13655 |
| Opacity | % | - | ± %20 | - | ASTM D1746 |
| Hydro Head | [mmH2O] | > 900 | ± %20 | 2700 | DIN-EN 20811 |
| Abrasion Resistance Martindale | [EMPA Standard] | 1_5 | ± 1 | 5 | EDANA 020.5.R0 |
| Printing Tolerance | mm | < 0.5 | ± %20 | - | HNR |

**EU TYPE EXAMINATION CERTIFICATE**

Hereby the manufacturer is allowed to use notified body number (2163) and can fix CE mark, as shown below, on the category III, product models given above, with the below requirements;

-Issuing an appropriate EU Declaration of Conformity according to Personel Protective Equipment Regulation (EU) 2016/425 Annex 9.

-Ongoing successful performance in fulfillment of the requirements set out in **Personel Protective Equipment** Regulation (EU) 2016/425 and harmonised standards, ensured by assessments based on Annex 7 (Module C2) or Annex 8 (Module D) of the regulation.