NEW!

DuPont™
ProShield®

THE SOLUTION TO PROTECT YOU & YOUR FLAME-RESISTANT GARMENT

A proven expertise in flame and chemical protection

DuPont has long been associated with heat and flame resistant solutions because of Nomex® and chemical protection because of Tyvek®. Combining these two solutions, DuPont introduces the new ProShield® FR coverall to protect against flames and chemicals.

ProShield® FR is a hooded protective coverall made from a flame-retardant polypropylene non-woven fabric that provides limited protection against heat, flames and chemicals. It is typically used, depending on chemical toxicity and exposure levels, for protection against particles (Type 5), limited liquid splashes or sprays of non-flammable liquids (Type 6) in applications where PPE offering chemical protection in addition to heat and flame protection is required.

DUPONT®

The miracles of science™

ProShield® FR offers double protection:

➔ **ProShield® FR protects your reusable flame-resistant garment (eg. Nomex®)** worn underneath, from light chemical spray (unpressurized), aerosols, particulates and dirt & grime, thus extending its life.

➔ **ProShield® FR protects the worker** against occasional and brief contact with sparks and small flames. Made of a fabric with limited flame spread performance, it minimizes the spread of flame, and therefore doesn't become a hazard in itself.

ProShield® FR is made from a fabric that offers limited flame spread protection according to EN ISO 14116 [1] Index 1 [2] (superseded EN 533:1997).

Category III	Type 5	Type 6	EN 1073-2-2002 Class 1 [4]	EN 1149-5-2008	EN ISO 14116-2008 Index 1/0/0 [5]

Our experts developed the ProShield® FR bearing in mind that safety and comfort are critical to help you perform your work in the best possible conditions and with the greatest confidence.

➔ ProShield® FR is made from SMMMS, a highly breathable non-woven fabric with an open structure maximizing wearer comfort.

➔ ProShield® FR is made from a non-halogenated flame-retardant non-woven fabric. It is free of substances of very high concern for your health.

Typical industries requiring chemical and heat/flame protection:
Petrochemical - Utilities - Railway - Welding - Gas - Metal - Visitors - Ex-zones[3]

[1] EN ISO 14116:2008 specifies the performance requirements for the limited flame spread properties of materials, material assemblies and protective clothing in order to reduce the possibility of the clothing burning and thereby itself constituting a hazard. Additional requirements for clothing are also specified.

[2] According to EN ISO 14116 classification, ProShield® FR is made of Index 1 fabric. Index 1 fabrics will melt and holes will be formed. The material does not constitute a thermal barrier (Index 2/3).

[3] See Instruction for Use.

[4] EN 1073-2 clause 4.2. requires puncture resistance of class 2. This garment meets class 1 only.

[5] EN ISO 14116:2008 requires a tensile strength of >150N. This garment has a tensile strength of >30N only.

ProShield® FR features include:

1 Three piece hood for optimum facial fit and increased protection

2 Zipper flap for increased protection

3 Orange colour-coded seams enabling better identification of the garment*

4 Elasticated waist

5 Elasticated cuffs, ankles & hood

6 Generous cut allowing freedom of movement when worn above index 2 or 3 undergarments

7 Antistatic treatment**

SAFE USE OF A LIMITED FLAME-SPREAD AND CHEMICAL PROTECTIVE COVERALL EG. PROSHIELD® FR:

1. Limited flame-spread and chemical protective coveralls must always be worn on top of index 2 or 3 garments and hoods/balaclavas (eg. Nomex®).

2. According to the norm EN ISO 14116, the limited flame spread coverall must never be in direct contact with skin.

It is recommended to pay particular attention to the hood/balaclavas, ankles and wrist.

Index 2 or 3 head wear

Index 2 or 3 garment

Limited flame spread coverall - Index 1

* The seams, elastics and zipper components are not made of flame-retardant materials and may burn if exposed to heat and flame.

** Test conducted on FR fabrics and FR garments have demonstrated that antistatic properties reduce overtime. In the interests of safety, that's why we initially limit the shelf-life for the antistatic property of ProShield® FR to 18 months. We want our customers to be made aware of this characteristic and be in a position to manage it.