



Tyvek.

Tychem.

PROTECTIVE CLOTHING FOR PAINT APPLICATION

All work involving the application of paint and finishes requires a specific level of protection against the risks users are exposed to when preparing surfaces or applying the paint. Protective garments from DuPont, thanks to the inherent properties of their fabrics, combine protection, comfort, and durability, to safeguard people as well as the sensitive processes in which they are involved.

For more information: chemicalprotection.dupont.co.uk

Paint can be divided into three major categories; solvent-based paints, water-based paints and powder paints. Irrespective of the type of paint used, each requires a specific level of protection against the risks users are exposed to when preparing surfaces or when applying the paint.

Protection of the wearer

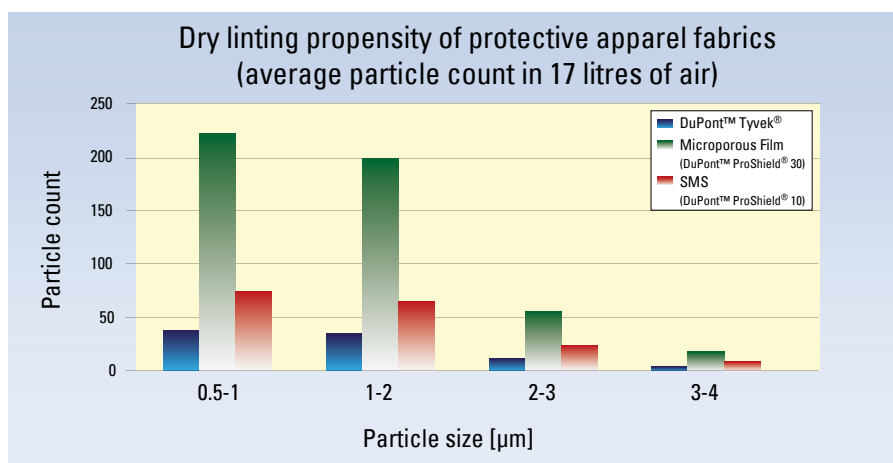
For many types of painting and finishing work requiring liquid and particulate protection, DuPont recommends the use of DuPont™ Tyvek® protective coveralls, combining protection, comfort and durability that have already proved tremendously popular in the motor industry. This wide range of clothing is especially effective against water-based and powder paint, given the size of the particulates.

For specific types of paint or exposure, the protection provided by Tyvek® must be reinforced or enhanced with other accessories, such as those available in the DuPont™ Tychem® range. Some types of paintwork present risks not only when applying the paint, but also when preparing the paint or cleaning tools, using solvent washers, and so on. For all potentially hazardous tasks, DuPont recommends its range of lightweight and ultra-effective Tychem® F accessories.

Protection of the process

In some cases, protective clothing must not only protect employees, but also the manufacturing process against human contamination. To avoid additional costs and prevent any quality issues, it is important for the garments used during paint spraying and surface treatment operations not to shed fibres or cause contamination.

Material tests carried out by an independent test laboratory in accordance with BS 6909 showed that Tyvek® sheds considerably fewer particles in comparison with other protective garment materials, e.g. SMS (Spunbond/ Meltblown/ Spunbond) used for ProShield® 10 or MPF (Microporous Film) used for ProShield® 30. This can significantly reduce the need for additional polishing work.



Method for generation and counting of the airborne linting propensity of fabrics in the dry state, BS 6909

DuPont™ Tyvek® – Durable and comfortable protection

Tyvek® consists of ultra fine continuous high density polyethylene fibres, which are compressed under high heat and pressure to form a non-woven material. The unique structure of the material offers a high degree of protection against airborne particles and many water-based inorganic chemicals. As the non-woven structure of the material forms a multi-layer barrier, its barrier performance will remain intact even if the outer layers become damaged in places. Beyond the durability of the material – Tyvek® is highly resistant to abrasion and tearing – it is also lightweight and soft, as well as permeable to both air and water vapour, providing a high level of comfort. During the manufacture of Tyvek®, neither fillers, additives nor silicon are added.

Protective clothing and accessories from DuPont for paint application

Choosing the type of protective clothing best suited to the situation therefore depends on a number of factors, including the products handled, the type of paint or surface treatment product, the concentration of the chemicals used and the type of application (projection, spraying, etc.).

	Tyvek® Industry	Tyvek® Dual	Tyvek® Classic Xpert	Tyvek® Classic Plus	Tyvek® accessories				Tychem® F Accessories			
					Over- boots	Over- shoes	Sleeves	Hood	Over- boots	Sleeves	Apron	Gown
Water-based and powder-based paints	✓	✓	✓	✓	✓	✓	✓	✓				
Solvent-based paints, paint preparation and tool cleaning				✓*					✓	✓	✓	✓

* Tyvek® is not a barrier to solvents

DuPont™ Tyvek® Industry, model CCF5



Collared garment for use with ventilated hoods or similar breathing apparatus.

- ✓ coverall in ultra low-linting Tyvek®
- ✓ internal seams
- ✓ antistatic treatment on both sides*

Colour: white
Sizes: S to XXXL

DuPont™ Tyvek® Dual, model CHF5a



Tyvek® protection where you need it, comfort overall.

- ✓ front in ultra low-linting Tyvek®, back with large breathable panel in SMS material
- ✓ elasticated waist, cuffs and ankles
- ✓ antistatic treatment on one side*

Colour: white
Sizes: S to XXXL

DuPont™ Tyvek® Classic Xpert, model CHF5



Combined liquid and particulate protection.

- ✓ coverall in ultra low-linting Tyvek®
- ✓ stitched external seams featuring patent-pending technology for enhanced liquid spray tightness
- ✓ new design and construction for greater particulate protection
- ✓ antistatic treatment on both sides*
- ✓ elasticated waist, cuffs and ankles
- ✓ ergonomic design for high freedom of movement

Colour: white
Sizes: S to XXXL

DuPont™ Tyvek® Classic Plus, model CHA5a



Performance of a Type 4 suit combined with the comfort of a nonwoven suit

- ✓ stitched and over-taped seams for protection and strength
- ✓ elasticated face, wrists, waist and ankles
- ✓ antistatic treatment on both sides*
- ✓ self-adhesive chin flap and hood optimised for use with respirators

Colour: white
Sizes: S to XXXL

* The antistatic treatment of suits is only effective in humidity of more than 25% and when correctly grounded. Further information can be found in the Instructions for Use.

DuPont™ Tyvek® accessories

Specially designed for use with Tyvek® apparel.



Slip-retardant overboots, model POBA
Colour: white; Size: one size



Sleeve, model PS32LA
Colour: white; Size: one size



Slip-retardant overshoes, model POSA
Colour: white; Sizes: 36 to 42, 42 to 46



Hood, model PH30LO
Colour: white; Size: one size

DuPont™ Tychem® F accessories

Reinforcing Tyvek® protection where it counts.

✓ robust yet lightweight protection against a broad range of organic and highly concentrated inorganic chemicals and substances.



Slip-retardant overboot, model POBA
Colour: grey; Size: one size



Sleeve, model PS32LA
Colour: grey; Size: one size



Apron, model PA30LO
Colour: grey; Size: one size



Gown, model PL50
Colour: grey; Sizes: S/M and L/XXL

NEED HELP FINDING AND SELECTING CHEMICAL PROTECTIVE CLOTHING?

Try DuPont™ SafeSPEC™ 2.0

Browse and compare products by brand, design or certification, with direct access to all relevant information including permeation data.

www.safespec.dupont.co.uk

MORE INFORMATION:

DuPont Personal Protection
DuPont de Nemours Luxembourg S.à r.l.
L-2984 Luxembourg
Tel.: +800 3666 6666 (international toll-free)
Fax: +352 3666 5098

chemicalprotection.dupont.co.uk



The miracles of science™

It is the user's responsibility to determine the level of toxicity and the proper personal protective equipment needed. Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. The end-user should discontinue use of the garment if the fabric becomes torn, worn or punctured, to avoid potential chemical exposure. Since conditions of use are beyond our control, we make no warranties, expressed or implied, including but not limited to warranties of merchantability or fitness for a particular purpose and assume no liability in connection with any use of this information.

L-30130

Copyright © May 2013 DuPont. The DuPont Oval logo, DuPont™, The miracles of science™ and all products denoted with ® or ™ are registered trademarks or trademarks of E.I. du Pont de Nemours and Company or its affiliates.