



Protective Clothing for Painting Applications



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. Thanks to the inherent properties of their fabrics, DuPont™ Tyvek® and Tychem® protective garments combine protection, comfort and durability to safeguard people as well as the sensitive processes in which they are involved.

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 applying paint.

Protection of the wearer

For many types of painting and finishing work requiring liquid and particulate protection, DuPont suggests the use of DuPont™ Tyvek® protective coveralls, which combine protection, comfort and durability and have already proved tremendously popular in the automotive 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 paint work 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 suggests its range of lightweight and effective Tychem® accessories.

DuPont™ Tyvek® – Durable and comfortable protection

Tyvek® consists of ultra-fine, continuous high-density polyethylene fibers, 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 vapor, providing a high level of comfort.

Protective clothing and accessories from DuPont for paint application

Choosing the type of protective clothing best suited to the situation 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.).

Typical Spray Painting Hazards/Description/Examples	ProShield® 10	Tyvek® 400 D	Tyvek® 400	ProShield® 60	Tyvek® 800 J	Tychem® 2000/4000/5000/6000
Particulates	◆	◆	◆			
Overspray with exposure primarily in front		◆				
Overspray			◆	◆	◆	◆
Overspray with light liquid contact			◆	◆	◆	◆
Overspray with heavy liquid contact						◆ *
Heavy liquid splash (mixing, clean-up, etc.)						◆ **
Durability	●	●●	●●	●	●●	●●●
Comfort	●●●●	●●●●	●●●	●●	●●	●

◆ Acceptable for use ● Fair ●● Good ●●● Better ●●●● Best

* Liquid barrier performance varies based on the amount of liquid on the garment, the length of time the liquid is on the garment, applied pressures and certain physical properties of the liquid. In applications where a higher liquid barrier is needed, consider DuPont™ Tychem® protective garments.

** Fabric selection should be based on the evaluation of available permeation data for the paint constituents or cleaning solvents being used. Refer to DuPont™ SafeSPEC™ (SafeSPEC.DuPont.com).



DuPont™ Tyvek® 400 D

Tyvek® 400 fabric on the front and hood
 ProShield® 10 fabric on the back
 Comfort fit design for stretching and bending
 Serged seams
 Color: white and blue
 Sizes: MD-4X



DuPont™ Tyvek® 400

An ideal balance of protection, durability and comfort
 Protection against light liquid splash
 Excellent abrasion resistance
 Serged seams
 Color: white
 Sizes: MD-7X



DuPont™ Tyvek® 600

Fabric and seams offer chemical permeation barrier to low concentration water-based inorganic chemicals
 Taped seam
 Respirator-fit attached hood
 Elastic wrists and ankles
 Color: white
 Sizes: SM-7X



DuPont™ Tyvek® 800 J

Protection against low-concentration, water-based inorganic chemicals
 Taped seam
 Respirator-fit attached hood
 Elastic wrists and ankles
 Color: white
 Sizes: SM-3X

DuPont™ Tyvek® accessories — Specially designed for use with Tyvek® apparel



Slip-Retardant Boot Covers

Color: white
 Size: one size
 TY452, TY454



Slip-Retardant Shoe Covers

Color: white
 Size: one size
 TY450S



Hood

Color: white
 Size: one size
 TY657



Apron

Color: yellow
 Size: one size
 QC273



Sleeve

Color: yellow
 Size: one size
 QC500



Apron

Color: yellow
 Size: one size
 QC278B

DuPont™ Tychem® accessories — Reinforcing Tyvek® protection where it counts.

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



DuPont™ SafeSPEC™

[SafeSPEC.DuPont.com](https://www.SafeSPEC.DuPont.com)

**DuPont Personal Protection
Customer Service:
United States 1-800-931-3456**

**[PersonalProtection.DuPont.com](https://www.PersonalProtection.DuPont.com)
[SafeSPEC.DuPont.com](https://www.SafeSPEC.DuPont.com)
[ControlledEnvironments.DuPont.com](https://www.ControlledEnvironments.DuPont.com)**



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.

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