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.

### Typical Spray Painting Hazards/Description/Examples

<table>
<thead>
<tr>
<th></th>
<th>ProShield® 10</th>
<th>Tyvek® 400 D</th>
<th>Tyvek® 400</th>
<th>ProShield® 60</th>
<th>Tyvek® 800 J</th>
<th>Tychem® 2000/4000/5000/6000</th>
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<tbody>
<tr>
<td>Particulates</td>
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<td>Overspray with exposure</td>
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<td>primarily in front</td>
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<td>Overspray</td>
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<td>Overspray with light liquid contact</td>
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<td>Overspray with heavy liquid contact</td>
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<td>Heavy liquid splash (mixing, clean-up, etc.)</td>
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<td>Durability</td>
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* Acceptable for use  ● Fair  ●● Good  ●●● Better  ●●●●● Best

**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.).

* 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™ Tychem® 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
TY4505

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.
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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