



General protection garments

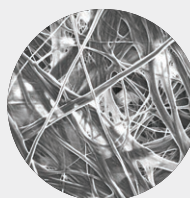
Many different types of fabric technologies are used to produce general protective garments. A single fabric type may be well suited for one (or more) applications, while at the same time poorly suited for other applications. It is important to consider fabric and design when choosing a garment for specific work applications. Other key considerations include protection, durability and comfort for the wearer over extended periods of time.



DuPont™ Tyvek® 400

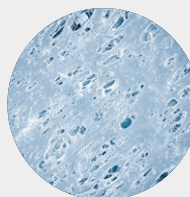
Tyvek® coveralls are ideal for general protection applications. Tyvek® is an inherent barrier to small-sized hazardous particles down to sub-microns. Protection is built into the fabric so there are no films or laminates to abrade or wear away.

DuPont technologies used in protective garments



Tyvek®

Tyvek® is 100% high-density polyethylene fibers entangled into a protective material—with no fillers or thin films to wear away. Made only by DuPont, it offers superior protection and durability.



Microporous films (MPF)

Bi-laminate with a thin microporous film layer on a spunbonded polypropylene nonwoven, barrier protection is lost when the film layer is abraded.



Spunbond-meltblown-spunbond (SMS)

SMS fabrics rely on the meltblown polypropylene layer in the middle of the open tri-laminate polypropylene structure to act as the main filter for particles.

All images are magnified.

Increased fabric performance



RADNOR Airgas® RADNOR® Pro-2

Pro-2 disposable coveralls, **exclusively made by DuPont for the Airgas portfolio**, provide good protection offered by an unabraded MPF barrier. It is suitable for use in a wide range of general industrial maintenance and manufacturing environments. RADNOR® garments offer a moderate level of protection at a value price point.



DuPont™ ProShield® 10

ProShield® 10 is a comfortable protective garment at an affordable price. Breathable and lightweight, these SMS garments are an excellent choice for dirty jobs where end users are exposed to non-hazardous materials.



DuPont™ Tyvek® 400



TY122SWH*

Garment design

Coveralls feature white Tyvek® fabric with serged seams and an extra-long front zipper closure that extends up to the chin for complete coverage of neck area. Storm flap of garment material covers the zipper. Attached respirator-fit hood, with elastic around face opening, designed to cover neck/chin and provide a tight fit around respirator face mask. Elastic in waist/wrists/ankles for snug fit. The attached Tyvek® 400 FC series boots have a special coating to provide added skid resistance. Available in sizes MD-7X and a variety of garment configurations.

Benefits

- Breathable inherent barrier protection against hazardous dry particles, aerosols and non-hazardous light liquid splash
- Comfort fit design enables a greater range of movement, provides a more tailored fit and offers reinforcement in high-stress areas
- Utilizes an extra-long zipper for easier donning and doffing of the garment
- An ideal balance of protection, durability and comfort

Applications

- General maintenance/operations
- Environmental cleanup
- Surface preparation/finishing
- Spray painting
- Lead and asbestos abatement
- Mold remediation
- Agriculture
- Food processing

Airgas® RADNOR® Pro-2

RADNOR



PRO-2*

Garment design

Coveralls feature white spunbonded polypropylene with laminated MPF coating and serged seams. Extra-long front zipper closure that extends up to the chin for complete coverage of neck area. Storm flap of garment material covers the zipper. Attached respirator-fit hood, with elastic around face opening, designed to cover neck/chin and provide a tight fit around respirator face mask. Elastic in wrists/ankles for snug fit. Attached boots have special coating to provide added skid resistance. Available in sizes MD-7X and a variety of garment configurations.

Benefits

- Protection against dry particle contaminants, aerosols and non-hazardous light liquid splash
- Lightweight and roomy design offers improved comfort and mobility
- Adequate protection for many low hazard risk applications, at a moderate price point

Applications

- Surface preparation/finishing
- Automotive refinishing
- Waste cleanup
- Environmental remediation
- Chemical handling
- Agricultural chemical mixing

DuPont™ ProShield® 10



PB122SWH*

Garment design

Coveralls feature white spunbond-meltblown-spunbond (SMS) polypropylene fabric and serged seams. Front zipper closure. Storm flap of garment material covers the zipper. Attached hood. Elastic in wrists/ankles for snug fit. Attached boots have special coating to provide added skid resistance. Available in sizes MD-7X and a variety of garment configurations.

Benefits

- Protection against non-hazardous dry particle contaminants
- Optimized for comfort and breathability at a low cost

Applications

- General maintenance
- Chemical handling
- Janitorial/sanitation

		Dirty jobs	General industrial maintenance	Surface preparation	Spray painting	Industrial cleaning	Waste management	Chemical handling
	DuPont™ Tyvek® 400 An ideal balance of comfort, durability and protection for workers against hazardous particulates and light liquid splash	✓	✓	✓	✓	✓	✓	✓
	Airgas® RADNOR® Pro-2 MPF garment provides a barrier against a variety of non-hazardous aerosols, liquids and dry particles	✓	✓	✓	✓			
	DuPont™ ProShield® 10 SMS garment that offers comfort and quality at an affordable price	✓	✓	✓				

Comparison within the DuPont portfolio: ✓ Acceptable for use (Blank) Not recommended
 *Refer to SafeSPEC™ for additional product information, to perform a risk hazard assessment and to investigate additional PPE needs.

Typical general industrial hazards/description/examples

	Non-hazardous								Hazardous										
Garment	Particles		Aerosol		Light liquid splash*				Particles										Aerosol
	General dirt & grime	Animal waste	Sanding & grinding waste	Spray paint	Oil & grease	Lubricants	Fertilizer	Sewage	Fertilizer	Pesticides	Asbestos	Lead	Chromium	Beryllium	Mold	Fiberglass	Carbon	Radioactive particles	Isocyanate containing
Tyvek® 400	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	●	●	●
RADNOR® Pro-2	○	○	○	●	●	●	●	●											●
ProShield® 10	○	○	○	○	○	○	○	○											

● Generally preferred ○ Acceptable for use (Blank) Not recommended
 Liquid barrier performance varies based on the amount of liquid that may get on the garment, the length of time the liquid is on the garment, applied pressure and certain physical properties of the liquid. Tyvek® and ProShield® garments are not appropriate if during use they are getting wet (liquid is dripping or running, or it is wet to the touch) or if spotting is observed on skin or garments worn under the protective garment. Serged and bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Customer support—we're here to help

Determining the appropriate personal protective equipment (PPE) to protect workers against specific chemicals is a critical task that can be quite challenging for employers. DuPont is here to help. In addition to offering a wide range of chemical protective apparel solutions, DuPont provides customer support in a variety of ways.



Powerful web-based tool

DuPont™ SafeSPEC™, available at safespec.dupont.com, is a valuable self-service resource that can assist you with finding the appropriate DuPont garments for chemical, controlled environment, thermal and mechanical hazards. The SafeSPEC™ app is also available for mobile phones and tablets.



Certified Industrial Hygienist team

DuPont Certified Industrial Hygienist (CIH) services are available at no cost to you or your customer. Valued at approximately \$200 per hour, DuPont CIH services can help guide PPE decisions, streamline costs, improve worker safety and minimize risks/hazards by:

- Determining the appropriate level of protection for workers;
- Assessing and mitigating possible hazards from flash fire and chemical exposure;
- Suggesting garment options for protection against chemicals or mixtures for which there is little or no permeation data available;
- Determining garment options for handling a complex mixture of chemicals.



Network of field sales professionals

Members of our national network of direct and independent field sales professionals are available to share their expertise to help guide you on PPE offerings and provide you with the support you need for your training and site assessments.

DuPont representative: contact DuPont Customer Service at 800 931 3456 to confirm your National Account Manager.

Regional field support: contact your local independent factory representative based on your location:

- For CO, ID, MT, NM, UT and WY markets, contact your ShurSales representative at 303 789 5696.
- For all other U.S. markets, contact your Line Drive representative at 847 882 1198.



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Personal Protection