



Personal protective equipment (PPE) for the hazmat sector

To protect others, emergency responders need the best protection for themselves. Choosing an appropriate PPE garment means considering many factors, like safety, comfort, durability and cost-effectiveness. Whether responding to a traffic accident or containing an industrial emergency, hazmat response encompasses a variety of chemical, biological and radioactive threats, all of which require different levels of PPE.

Examples of hazmat response situations include:

- Chemical spills
- Decontamination operations
- Pandemic preparedness and response
- Crime scene investigation and cleanup
- Clandestine drug lab investigation and cleanup
- Bioterrorism incidents
- Prison cell extraction

Customer support—we're here to help



DuPont™ SafeSPEC™

Our powerful web-based tool 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 use.

safespec.dupont.com



Certified Industrial Hygienist team

A DuPont Certified Industrial Hygienist can conduct a job hazard assessment to help you determine the best DuPont garment for a specific hazard.



DuPont™ ProShield® 10

Lightweight, low-cost modesty garment for mass decontamination operations. Available in two colors and a range of sizes.



ProShield® 80

Lightweight and breathable garment that provides a barrier against bloodborne pathogens. Passes ASTM F1670 for blood and ASTM F1671 for viral protection.



Tyvek® IsoClean® 444 Tyvek® IsoClean® 457

Durable protection for mass decontamination participants' feet after discharge from decontamination stage.



Tyvek® 800

Liquid-tight garment that combines resistance to low-concentration, water-based, inorganic chemicals (even under pressure) with the strength and durability of DuPont™ Tyvek®. Ideal for decontamination technicians. Has permeation data available for sodium hydroxide and sodium hypochlorite—common materials used in decontamination operations.



Tychem® 2000

Pandemic response garment that provides protection against several inorganic acids and bases. Provides disposable protection against bodily fluids (passes ASTM F1670 and F1671) and insect hazards, such as bedbugs.



Tychem® 6000

Strong, durable and lightweight garment. Broad-spectrum toxic industrial chemicals permeation database, greater than 480 minutes against chemical warfare agents (CWAs), pandemic response/ biological hazards (passes ASTM F1670 and F1671). A preferred choice for law enforcement, emergency medical service (EMS) technicians and military personnel. Available in gray.



Tychem® 6000 FR

Single-layer garment that provides triple hazard protection from liquid-chemical splash, flash fire and electric arc. The arc rating of DuPont™ Tychem® 6000 FR fabric is 15 cal/cm² E_{at}. This exceeds the NFPA 70E Hazard Risk Category 2 requirement of 8 cal/cm². Tychem® 6000 FR TP 198T and TP 199T garments are certified to NFPA 1992 (2018) and NFPA 2112 (2018). Broad-spectrum toxic industrial chemicals (TIC) permeation database, greater than 480 minutes against CWAs. Ideal for petrochemical incidents.



Tychem® 10000

Excellent chemical barrier properties in an extremely durable fabric that is puncture- and tear-resistant. Tychem® 10000 fabric shows at least 30 minutes of barrier protection to >320 chemical challenges. Recently upgraded with a number of user-friendly features. Covered by an unmatched five-year warranty.



Tychem® 10000 FR

“Single-skin” garment offers broad chemical holdout. Ideally suited for industrial and hazmat situations. Chemical protection in one garment that is easy to don and doff. Provides at least 30 minutes of protection against >320 chemical challenges. Tychem® 10000 is high-visibility silver. Certified to NFPA 1991 (2016) edition.

DuPont options

Chemical
spills

Decontam-
ination
operations

Pandemic
preparedness
and response

Crime scene
investigation
and cleanup

Clandestine
drug lab
investigation
and cleanup

Bioterrorism
incidents

Prison cell
extraction



Tychem® PV350

Extremely durable, cotton-lined PVC construction with rough grip. Suitable for defensive protection from chemicals, oils and greases.



Tychem® NT420

Chemical splash and oil protection. Designed for jobs requiring barrier protection, while keeping tactile discrimination.



Tychem® NT430

Lightweight with “second-skin” feel. Resistant to oils, hydrocarbons and greases. Lint-free, dust-free cuff prevents dirt from entering the glove.



Tychem® NT450

Flexible knit-lined dual nitrile glove. Protects against an array of solvents, oils and acids.



Tychem® NT470

Bisque finish allows secure handling in wet and dry conditions. Unlined, with an ergonomic design to maximize comfort.



Tychem® NT480

Broad chemical holdout, including refrigeration (ammonia) leaks.



Tychem® NP530

Double-dipped neoprene over natural rubber for dexterity. Resistant to a wide range of chemicals.



Tychem® NP560

Resistant to a wide range of chemicals, including acids, caustics, solvents, greases and oils. Suitable for heavy-duty work or applications involving exposure to the presence of solvents.



Comparison within the DuPont portfolio: ✓ Acceptable for use ✓+ Preferred (Blank) Not recommended

Please note that Tychem® gloves are not acceptable for tasks involving flammable hazards and should not be used.

continued

DuPont options

Chemical spills

Decontamination operations

Pandemic preparedness and response

Crime scene investigation and cleanup

Clandestine drug lab investigation and cleanup

Bioterrorism incidents

Prison cell extraction



Tychem® NP570 CT

Protection against the dual risk of chemical exposure and cut. Provides ANSI level A5 and EN level 5 cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® BT730

Protection against a wide array of chemicals. Provides resistance to many highly corrosive acids and is designed for handling ketones and alcohols.



Tychem® BT770

Provides protection against a variety of highly corrosive chemicals, alcohols, ketones and esters.



Tychem® VB830

Provides protection from a variety of chlorinated solvents and aliphatic or aromatic hydrocarbons, such as benzene, toluene and xylene.



Tychem® VB870

Provides protection from a variety of chlorinated solvents and aliphatic or aromatic hydrocarbons, such as benzene, toluene and xylene. Suitable for military applications.



Comparison within the DuPont portfolio: ✓ Acceptable for use ✓+ Preferred (Blank) Not recommended

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