Choosing the Right Glove

Factors to Consider
- Types of materials handled
- Grip requirements
- Abrasion resistance needed
- Cut resistance requirements
- Job site conditions
- Allergens

Cut Resistant Gloves
Cut resistant gloves are designed to protect the wearer’s hands from cuts while working with sharp tools. Cut resistance is provided by integrating high performance materials such as Kevlar®, HPPE, special PVA yarn, fiber or fiberglass yarn. To increase material performance, the gloves are typically coated with Latex, Nitrile or Polyurethane.

Determining Cut Resistance & Performance
There are many factors which impact the cut resistance level of a glove. The weight and construction of the material is the primary influencer of the glove’s cut and abrasion protection ability. Typically, materials like Kevlar® provide high cut resistance due to the higher per unit weight. The addition of coatings such as Nitrile, Latex or Polyurethane will often enhance grip and increase the cut resistance by adding material and strength. Published performance ratings serve as a guide in choosing the best option for a particular application.

Environmental issues should always be considered prior to choosing the best option for a particular application. Chemicals, dust, humidity and heat will affect glove performance. Aftermarket care should always be considered prior to glove selection.

Understanding EN 388
EN388 is a popular standard for assessing the performance of a glove and its ability to resist abrasions, cuts, tears and punctures. Each of the properties is individually tested and a performance level is awarded accordingly: Abrasion (scale 4-1), blade cut (scale 4-1), puncture (scale 1-4) and tearing (scale 1-4). The listing is expressed in a 4 digit performance level number and often printed on the glove.

Dip/Coating Options
The AMBITEX® Pro gloves presented in this guide feature either a ¾ dip or a palm dip. The ¾ dip provides better liquid protection and reduces back-of-hand abrasion while the palm dip provides a better ergonomic fit and reduced hand fatigue.

Mechanical Hazards
- Abrasion
- Puncture

Dipped Work Gloves

Dipped Work Gloves

Quick Reference

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Dipped Work Gloves

- AMBITEX Pro® Gloves with MicroFoam Nitrile Coating
  - MicroFoam nitrile coating for excellent wet grip

- AMBITEX Pro® Gloves with Polyurethane Coating
  - Excellent cut and abrasion resistance

- AMBITEX Pro® Crinkle Latex Coated Gloves with DuPont™ Kevlar®
  - Water-resistant crinkle latex coating
  - Resists abrasion and many chemicals

- AMBITEX Pro® Solid Nitrile Coated Gloves with DuPont™ Kevlar®

AMBITEX Pro® Nylon Gloves with MicroFoam Nitrile Coating
- Excellent flexibility and dry grip

AMBITEX Pro® Polyester Knit Glove with Polyurethane Coating
- Excellent dry grip and abrasion resistance

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Performance Ratings EN388

- Gloves with High Performance Polyethylene (HPPE)
  - HPPE is a lightweight, extremely tough polyethylene fiber, 15x stronger than steel on a weight per unit base.
  - It is extremely durable and water resistant.

- Gloves with DuPont™ Kevlar®
  - Kevlar® is a synthetic fiber, 5x stronger than steel on a weight per unit base and extremely heat resistant.

- Gloves with Nylon and Polyester
  - Nylon and polyester are strong synthetic polymers, resilient and resistant to fungi and mildew.

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