



## **Basic Guidelines for Standard Glove Selection**

Below are some general guidelines for glove selection; however, please do not hesitate to connect with Conney's Safety Services Team for assistance.

### **Hazardous Chemicals, Liquids:**

Because there are so many different chemicals with so many different make-ups, there is no real magic bullet of glove material that would work. We do sell Butyl, Viton, as well as Silver Shield gloves that can work for many harsh chemicals, but they may be too expensive of an option or not practical for the application.

The best answer is to find the CAS number of the chemical and then see if either Nitrile, Neoprene, Latex, or PVC gloves would be acceptable protection. Our Safety Services Team is here to provide you with the best recommendations, so don't guess—connect with us. Part of the answer involves the potential for exposure (are you dunking your hands in the bad chemical or is there potential for a light splash?).

Here are some basic recommendations:

Organic and Mineral Acids – Neoprene, good for most

Alcohols – Nitrile, good for most

Solvents, Petroleum products– Nitrile, good for most

Mineral Oils, Lacquer Thinner, Paints, and Varnish Removers – Nitrile, good for most

### **Working with or Exchanging Blades in Equipment:**

Depending on actual contact with the blade, a Cut Protection Level minimum of A5 has been the norm. If you are using box cutters, a Cut Protection Level minimum of A2 should be considered. Keep in mind, you can be still be cut while wearing any cut-resistant glove (they are not CUT-PROOF!).

### **Knife Handling in Food Processing:**

Many gloves are sold by the hand, not pairs, and a Cut Protection Level Minimum A5 is recommended. We do offer Mailite Metal Mesh or Whizard gloves in this category.

### **Chain Saw Handling:**

Superior Glove offers a glove with added Kevlar protection on the back of the glove. The Kevlar material will protect the hand. Note that there are specific chaps and vests for chain saw use that have a special explosive fabric to jam the moving blade.

### **Temperature-Heat Protection:**

There are ANSI Conductive Heat Resistance ratings based on brief contact (5 seconds) with the product. You need to know that temperature, and which level of protection you need. There are also different melting/degradation of materials like cotton, Dyneema, Kevlar, etc. That needs to be taken into consideration as well. Keep in mind, employees have different tolerance levels on how much heat they can handle.

### **Band Saws:**

Actually no gloves are recommended here. There might be a sense of false protection (employee might get careless). More importantly, the glove could get caught in the saw and it may pull your fingers or hands in and make the injury worse.

### **Puncture Resistant:**

We offer both the Alycore and HexArmor gloves. Note that the Alycore has different layer amounts on the palm and back of the glove to protect for the cut or puncture hazard.

There are many other different glove applications out there, as well as many glove options. Please connect with our Safety Services Team for assistance in the proper selection.

06/29/17