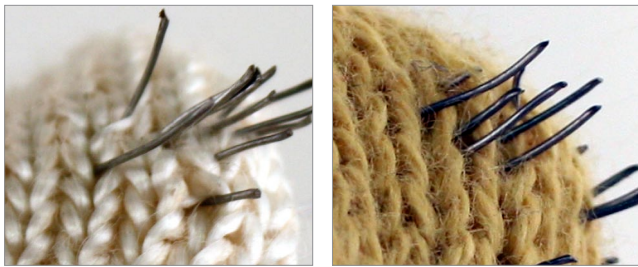


A NEW TAKE ON CUT RESISTANT PPE:

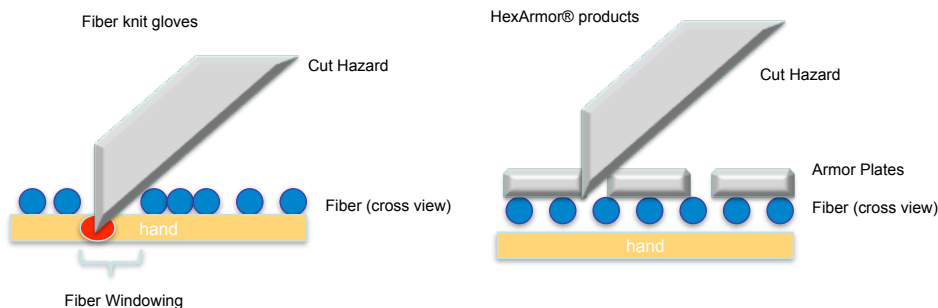
Why you need both cut and puncture resistance to prevent lacerations.

Cut resistance tests like the EN388 coup test or CPPT (ASTM F1790) are just one element of what needs to be considered when choosing PPE. Often punctures are misreported as cuts. A sharp edge, corner, burr, or other protruding hazards can penetrate the glove and scrape or cut skin. With knit gloves the hazard can actually poke through the open knit and cut the skin without cutting the PPE.



HOW DOES THIS HAPPEN?

Depending on the density of the knit, gauge (the number of knitting needles per inch to produce the glove), and thickness of fibers, a glove may “window” and allow hazards to penetrate the surface resulting in a hand injury. Windowing occurs when a hazard such as a blade or jagged burr actually finds its way in between the rows of fiber and pulls the fibers apart, in effect creating a “window” where the hand is exposed. The fibers may not be damaged by this action, but the user is put at risk.



WHAT'S THE PURPOSE OF CUT RESISTANT PPE IF THE USER IS STILL VULNERABLE TO INJURY?

What users really need is a product that offers both cut and puncture resistance (laceration protection), something that essentially acts as a shield from straight- and jagged-edged hazards in a variety of field uses.

HexArmor® products use a technology called **SuperFabric®** brand material, an innovative process by which tiny guard plates are fused to different base fabrics that provide aggressive cut, puncture, abrasion, and even needle resistance. The guard plate configurations deflect, block, arrest, and trap hazards, keeping them a safe distance above the skin surface resulting in industry leading performance:

- Cut resistance exceeding ASTM and CE level 5
- 20–100x more industrial puncture protection than standard leather/knit gloves
- 15 x the abrasion resistance of high performance fiber gloves

CASE STUDY: WHY YOU NEED CUT AND PUNCTURE RESISTANT PPE

While replacing a steam valve on a lumber manufacturing site, a maintenance worker was exposed to a nail on a wooden crate. The worker accidentally grabbed the crate where the nail was protruding and the top layer of leather in his HexArmor® SteelLeather III glove was torn. Luckily for the worker, the **SuperFabric®** layer beneath the leather was able to stop the puncture force of the nail, and the worker did not sustain any trace of an injury.

If the worker had been wearing a traditional knit cut resistant fiber, he would have had a serious laceration with the risk of losing his finger. The initial nail puncture would have torn through the leather and caused the cut resistant fiber to “window”, allowing the hazard to penetrate the worker's finger.

HexArmor is your cut and puncture solution.



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Call **1-877-MY ARMOR** or visit **hexarmor.com**

HexArmor products are cut and puncture resistant, NOT CUT AND PUNCTURE PROOF. Do not use with moving or serrated blades or tools. User shall be exclusively responsible to assess the suitability of the product as specified for any individual application or use. Protection zones are to be used as a general guide. Actual product protection zones may differ.

US Patents: 5853863, 5906873, 6159590, and foreign patents. Additional patents are pending.

HexArmor®
WITH **SuperFabric®**