

Protection from Cut and Puncture Threats

In April of 2015, one of the nations largest solar panel manufacturer and installation companies was hit by a tornado and sustained heavy damage. The 350 workers that were on-site daily to repair the broken PV panels and modules faced constant cut and puncture threats due to the panels' glass and metal construction.

Recurring Injuries with Standard PPE

The safety director at the solar panel company tested a number of different generic glove options ranging from leather to cotton to knit-dip to help protect their workers. When these options were not stopping the daily cuts and scrapes, they reached out to HexArmor® for a solution.

HexArmor® worked with the safety director and suggested an initial trial with our 9000 Series™, a high-cut, knit-dip option typically used in glass handling. After testing the 9010, they found the dip melting due to the high temperature of the glass and metal. Realizing we needed to see the applications first hand, a HexArmor® rep headed into the field to determine a more suitable option.

Chrome Series® 4027 Eliminates Injuries, Provides Needed Protection

After seeing the applications and hazards, a high-cut glove with back-of-hand impact protection was recommended.



Through several trials, HexArmor® and the safety director found a solution. The Chrome Series® 4027 –with cut and puncture resistant SuperFabric®* brand material in the palm (interior layer), impact protection, and a highly durable TP-X® palm – was the glove of choice.



Worker wearing the Chrome Series® 4027

The solar panel company implemented this glove, and after four months of use, has experienced zero injuries. In addition to a complete reduction in worksite injuries, feedback from the workers has been very positive, with one reporting, "these are simply the best gloves I've ever used." And other acknowledging the back-of-hand impact protection, "I had a piece of metal pinch down on my knuckle, but the impact protection kept it from hurting!"

HexArmor® is an industry-leading manufacturer of high performance personal protective equipment (PPE). 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. Product features, design, protection zones subject to change.

- Solar fields are the large-scale application of photovoltaic (PV) panels that convert light directly to electricity. These panels are made of interconnected silicon cells that have been put into a modular formation and covered by glass. Solar fields contain hundreds of PV panels and can cover hundreds of acres.
- SuperFabric® brand material is a HexArmor® exclusively licensed solution for the Industrial PPE Market that provides industry leading protection against lacerations, punctures and slashes like no other material in the industry today.

*SuperFabric® is a registered Trademark of HDM, Inc.