

## Scaffolding Safety Solutions

Scaffolding is an integral part of any major construction project or facility turn around. During installation and de-construction, scaffolding creates a variety of hazards to workers' hands. Sharp edges, metal or wood slivers, and pinch points are all areas of potential concern for injury. Injuries on construction sites can be costly, which heightens the importance of taking proper safety precautions.

### Hand Injuries Common Among Scaffolding Riggers

According to the latest government statistics, hand injuries account for 15% - 20% of all scaffolding related injuries, with many of these hand injuries requiring medical attention. The major causes of hand injuries while working with scaffolding are: pinch points between uprights, lacerations from sheets of metal, impact-related injuries, and splinters from wood or metal planks.

### HexArmor® Provides Needed Protection for Worker

A scaffolding erector was performing a regular work task of constructing a scaffold frame during a turnaround at a large mine smeltery. As the worker was joining two uprights, one of the sections slipped causing the upright to slam down onto the worker's palm. Luckily the worker had a pair of Chrome Series® 4026 gloves on during the incident, and the SuperFabric®\* plates within the glove deflected the force of the pinch-point, keeping the metal away from the worker's hand. Had the worker been wearing any other synthetic leather glove, he would have had to make a trip to the hospital for stitches or worse. The potential injury could have been a severe pinch to the lower palm that may have resulted in a laceration and an LTI (lost time injury).



Uprights causing pinch-point

### HexArmor® Protects from Pinch Hazard

If the contractor employee was wearing a traditional leather driver's glove as opposed to the HexArmor® protection and technology, the pinch would have penetrated the leather glove and trapped the individual's skin on his palm in between the two connecting pipes. In the case of this near incident, the employee was wearing the correct protection and instead of his skin getting trapped between the two connecting pipes, the SuperFabric® layer was pinched and torn.

- Scaffolding is a part of the early phases of industrial construction projects. Workers must lift, bolt, and pin steel frame uprights as well as slide and position aluminum or wood planks. These tasks put workers hands in areas where they are at risk.
- Scaffolding is common in areas where temporary structure is needed to support people or material in the construction and/or repair area of a turn around.
- Cut, puncture and impact protection are important, as well as extreme dexterity.

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

## Product Solutions:

### Chrome Series® 4026

The HexArmor® Chrome Series® 4026 mechanics glove was made to handle the sharp edges of steel sheets, pinch points, and other hazards found in scaffolding erection. In addition to industry leading cut resistance, the 4026 has back-of-hand impact protection to guard against smash and pinch injuries from tools and equipment on the jobsite.

### GGT5® 4021X and Rig Lizard® 2021

Due to the very abrasive and sharp hazards associated with scaffolding, a more “rugged” palm grip such as HexArmor’s 4021x or 2021 with IR-X™ palm grip is also recommended.



Chrome Series® 4026

*HexArmor® is an industry leading manufacturer of high performance personal protective equipment (PPE) made with technologies that push the limits of cut, puncture, needle, and abrasion resistance. Our mission is simple: give you better products with better technology designed with end user needs and collaboration. HexArmor® works with industries from oil and gas, to mining, food processing and waste recycling to design the best working and most protective glove available today.*

#### Puncture Protection

HexArmor® gloves and arm guards have been both laboratory and field tested to ensure that users are getting the highest levels of protection from wood splinters, sharp tools, blades and protruding hazards.

#### Cut Resistance

SuperFabric® brand material is a HexArmor® exclusively licensed solution for the Industrial PPE Market that provides industry-leading cut resistance. SuperFabric® provides resistance against punctures, lacerations, and slashes like no other material in the industry today.

#### Smash Protection

It's hard to predict when a tool is going to slip, or a pipe will shift and smash or pinch your hand. That is why HexArmor® engineered its IR-X™ smash guards to deflect impact away from the hand 133% better than competitive impact protection.

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