



HEXARMOR ENGINEERS A WORLD OF PPE SOLUTIONS FOR GLOBAL MINING AND MAINTENANCE OPERATIONS

Mining is a global enterprise that supplies the precious and base metals that drive, power, and build the world's largest industries. These mining operations can be divided into three basic types: underground mining, open pit mining, and strip mining. While the methods of mining and products that are mined in each operation may differ, production operations and the hazards of maintaining production are relatively the same.

FACTS

- Nearly 500,000 people work directly in mining throughout the United States, and in the next 5-10 years the mining industry will need approximately 55,000 new miners across the U.S. to meet demand
- While injury rates are dropping across the mining industry, it still remains one of the most hazardous workplace environments
- HexArmor continues to work directly with mining organizations to equip miners with higher levels of protection using advanced PPE technologies

CONVEYOR BELT SPLICING: ONE OF MANY HAZARDOUS MINING MAINTENANCE TASKS



Conveyor belt maintenance

Engineering the right type of PPE for mine workers and maintenance crews is critical in keeping ores and base metals moving efficiently and productively around the world. In almost all mining operations, high capacity industrial belt conveyors are used to transport ores throughout the mine or production facility. The belts in these conveyors are subjected to tons of rough ores and metals each day, and continually require maintenance to splice frayed belt pieces back together. Splicing is hazardous work for maintenance crews. One inch thick belts (sometimes constructed with fiber and steel belts) have to be sliced with two-handed box cutters before

being spliced back together with steel staples. Maintenance crews are often positioned on their knees during these dangerous cutting operations and must pull knife blades directly toward them, not the most ideal work environment. Recordable injuries from deep punctures and lacerations are often serious - and in some cases, life-threatening.

HEXARMOR ENGINEERED A NEW LEVEL OF PROTECTION AGAINST PUNCTURES AND LACERATIONS WITH THE DEVELOPMENT OF A DEDICATED CONVEYOR BELT CHAP

HexArmor designers and engineers answered the call of a major mining company that had been experiencing a high level of recordable injuries (punctures and lacerations) in its belt conveyor splicing operations. After conducting an onsite review of the company's maintenance operations, and working directly with the company's safety committee, HexArmor engineered a conveyor belt chap designed to deflect the cutting blades and knives used in belt splicing maintenance. The result: belt conveyor maintenance and installation injuries were completely eliminated after the introduction of the HexArmor chap.



PROTECTIVE FEATURES

CUT RESISTANCE

HexArmor with proprietary **SuperFabric®** exceed today's industry leading ISEA Level 5 and CE cut resistance ratings. SuperFabric provides resistance against lacerations, punctures, and slashes like no other material in the industry today.

PUNCTURE PROTECTION

HexArmor gloves were laboratory tested to validate industry standards for puncture resistance, and gloves were field tested to provide real world safety results.

GRIP AND DEXTERITY

The mining industry demands grip and dexterity to allow maintenance workers to handle tools and knives without slipping under extreme pressure. HexArmor has a variety of grip solutions for the toughest mine site applications.

SMASH PROTECTION

Proprietary HexArmor IR-X™ Smash Guards with advanced shock-absorbing materials deliver a superior level of protection and have the ability to absorb blunt force impacts better than any other product on the market.

PRODUCT SOLUTIONS

HexArmor Chaps 9911

The 9911 HexArmor Chap completely eliminated belt conveyor maintenance and installation injuries. HexArmor's proprietary **SuperFabric®** technology offers the highest cut resistance in the industry today – exceeding today's ISEA Level 5 and CE cut resistance ratings. The cut, puncture, and abrasion resistant 9911 chap provided mine maintenance workers with full front and back leg coverage plus a double-layer knee patch to reduce wear in specific splicing task positions. The 9911 Chap was developed with extra room in the thigh area to offer easy movement and comfort, not to mention the chaps are cooler and lighter than the leather alternative products. Another benefit is that the chaps are fully washable, lowering replacement costs and improving hygiene.



HexArmor 9911 Chap



Hand and Arm Protection

Hand and Arm Protection

In addition to the 9911 Chaps, HexArmor also provides the mining industry with a wide range of PPE from protective gloves, arm guards, jackets, and aprons. Today, in practically every type of mining operation around the world you'll find HexArmor at work keeping production moving more efficiently, effectively, and safely.

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 gas and oil field construction, to mining, food processing and waste recycling to design the best working and most protective glove available today.



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