

## Case Study

# Hand injury mitigated with HeatArmor® 5050 during routine grinding application



Working around heavy machinery is a hazard by itself, even worse when working directly with one. That was the case for this worker who was using a grinder and grinding wheel. Luckily this worker was wearing the HeatArmor® 5050 when the grinding wheel suddenly snapped off and came in contact with their hand, leaving only a minor injury instead of a major recordable.

### The issue

An employee at [Redacted] was working with a grinder that had an output of 12,000 RPM and a grinding wheel that had a capacity of 13,300 RPM when the grinder wheel snapped off mid use.

The grinder guard shot the broken wheel components into the employees' right index finger with tremendous force, yet after the visit to the doctor, the employee was released to full duty.

### The solution

Luckily, the worker was wearing our HeatArmor® 5050, and the glove did its job. The broken wheel only penetrated the outer leather layer of glove, stopping at the remaining protective layers. This caused a minor injury instead of a major recordable.

The HeatArmor® 5050 features HeatHide® technology, goatskin leather reinforcements, and an interior Aramid liner for 360° ANSI/ISEA A6 cut protection.

### The result

Because of the significant injury that was prevented, [Redacted] made the decision to outfit more of their workers in the 5050 to help ensure higher levels of safety in the workplace.



### HeatArmor® 5050

- HeatHide® technology leather treatment is ideal for extreme heat applications such as torch cutting, welding and foundries
- Premium heat-resistant treated split cowhide leather rates EN407 level 4 for flammability resistance
- Aramid stitching throughout for added strength and durability
- Aramid liner provides 360° cut protection (interior layer)
- Back-of-hand goatskin leather reinforcements
- 5.5" extended gauntlet safety cuff allows for easy removal



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