



# HexArmor®

## Hand and Eye Safety Presentation

SAFETY + REDEFINED.

**We don't just  
use our hands  
for working.**

SAFETY + REDEFINED



HexArmor



# We don't just use our hands for working.

1. Breadwinner
2. Right-handed
3. Plays baseball with his son
4. Phenomenal guitar player

SAFETY + REDEFINED



HexArmor



The average hand injury claim costs

**\$6,000-\$75,000**

SAFETY + REDEFINED.

HexArmor®

Indirect costs of an incident are often  
**6-10x more than direct costs.**

### **DIRECT COSTS:**

- Medical Bills
- Insurance Premiums
- OSHA Penalties
- Legal Fees

### **INDIRECT COSTS:**

- Replacement Labor
- Overtime
- Lost Production
- Damaged Goods/Equipment

Hand and finger injuries  
make up the **2<sup>nd</sup> highest**  
injury incident rates.

**But they are also the  
most preventable.**

**THE COST** of one preventable  
incident often far exceeds the cost of  
an entire hand protection program.



**70%**

**of workers who experienced hand injuries were not wearing gloves.**



**30%**

of workers did wear gloves, but sustained injuries because gloves were **inadequate, damaged, or wrong for their application.**



# Hazard Assessment

Know what you're up against.

SAFETY + REDEFINED.

HexArmor



# HAND INJURIES: Common Causes

- Using a sharp tool
- Operating powered machinery
- Using powered handheld tools or appliances
- Carelessness
- Lack of awareness
- Distractions
- Boredom
- Preparing food with a knife or other appliance
- Disregard for safety procedures
- Not doing a safety analysis before beginning work
- Using incorrect or homemade tools



**35-50%**

**of hand injuries are cuts or lacerations**

**Many lacerations start  
as a puncture.**

Punctures have a high risk  
of infection.



**Most gloves  
don't provide  
puncture protection.**

SAFETY + REDEFINED.

HexArmor



# Screen Media Change

- Plant maintenance personnel were changing out a screen when one of employee's hand got caught between the exposed top wires of the new screen and the older screen above it. The employee pulled his hand out from between them to free his hand. The wires cut through the leather layer in his Chrome Series® Leather 4080 glove but was stopped by the protective SuperFabric®.
- The quarry has seen a significant reduction in hand injuries, since the incident after exclusively using these gloves over the past two years. Plant maintenance personnel feel safer now when working on screen media changes, and having the extra protection provides that extra comfort they'll be safe just in case this situation may happen again.

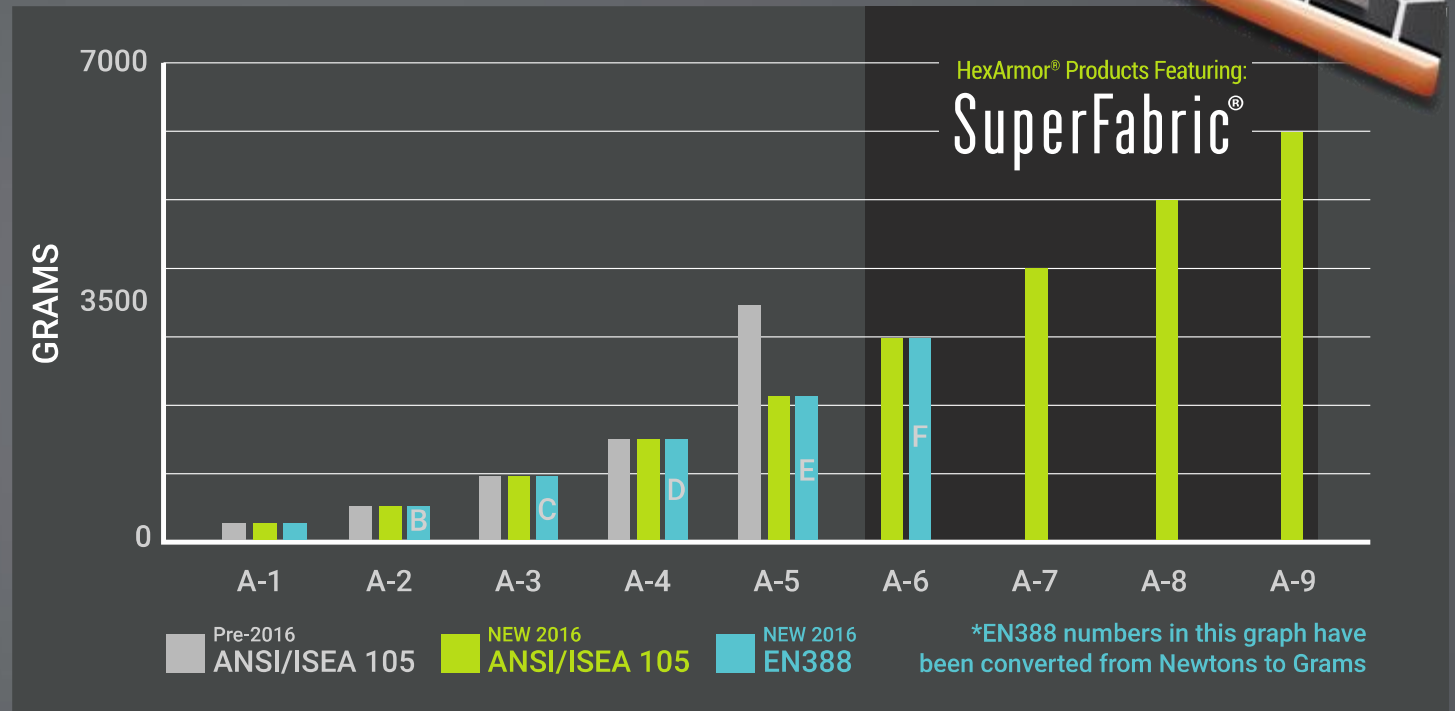
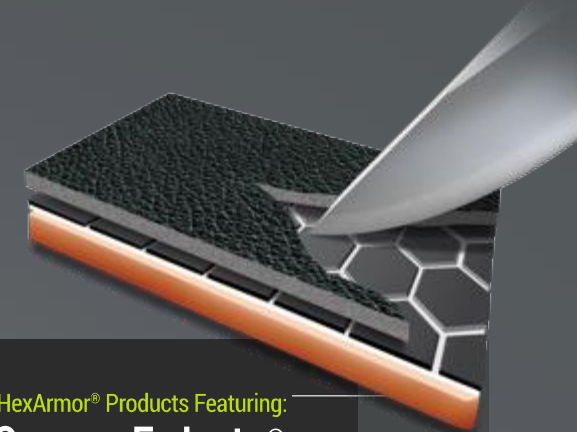
SAFETY + REDEFINED.





# Cut Resistance

- ANSI/ISEA levels A6-A9 and exceeds CE level F cut resistance
- Prevents lacerations and slashes like no other material on the market
- Shielding prevents hazards from slipping between fibers



# Puncture Resistance

- Industry-leading puncture protection
- Deflects and blocks common puncture hazards
- Multiple aligned layers of SuperFabric® arrest, trap, and block needles



SAFETY + REDEFINED

HexArmor

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



**30-45%**  
of hand injuries  
are smash and  
pinch related.

SAFETY + REDEFINED.



**Common  
impact hazards:**

**Heavy tools,  
large machinery,  
blow bars,  
pipes**

SAFETY + REDEFINED





# Impact Protection

## IR-X® Impact Exoskeleton™

Impact guards cover the entire back-of-hand, including knuckles and fingers.



SAFETY + REDEFINED



HexArmor

# The Grip You Need To Get The Job Done

- Leather Grip
- Synthetic Leather with PVC Pattern
- Silicone Grip
- TP-X®



- Sandy Nitrile
- Foam Nitrile
- PVC Particle Grip
- Wrinkle Rubber Latex
- Polyurethane (PU)
- FR-Compliant Coating

SAFETY + REDEFINED

HexArmor



# Proper glove care can extend product life by up to 300%!

- Proper Storage
- Laundering
- Routine Glove Checks
- Knowledge of materials and strengths/weakness

SAFETY + REDEFINED.



SAFETY + REDEFINED.

**HexArmor**<sup>®</sup>  
EYEWEAR

**A New Approach to Safety Eyewear**





# HexArmor® Eyewear

- HexArmor® surveyed customer base – #1 need is eyewear
- HexArmor® sought an industry-leader
- Partnership established with a global leader in safety lens and optical technology
  - German designed & manufactured
  - Proprietary processes
  - Unique chemistry developed in-house

SAFETY + REDEFINED.



**Sure, they're  
safety glasses  
but...**

SAFETY + REDEFINED.

HexArmor



# Eyes Aren't Just For Work

- 1 - 80% of what we perceive is through vision
- 2 - Saw his grandson's 1<sup>st</sup> ball game
- 3 - Scoped his 1<sup>st</sup> buck of the season
- 4 - Watched the sunset with his wife

SAFETY + REDEFINED.

HexArmor®

# 300,000

The number of eye injuries  
that send people to the  
emergency room every year

U.S. Bureau of Labor and Statistics

SAFETY + REDEFINED.

HexArmor





# 90%

The number of eye injuries  
that could have been  
prevented with proper eye  
protection

SAFETY + REDEFINED.

HexArmor



# Compliance Issues?



- Pressure points behind ears creates discomfort and headaches
- Fogging results in eyewear on top of head, low on nose, or off completely
- Gaps create an entry point for dirt, dust, and debris

# 3 Factors to Improve Compliance

- Coatings
- Wearability®
- Care & Maintenance



# Optical Clarity: Coatings

## Coatings Performance

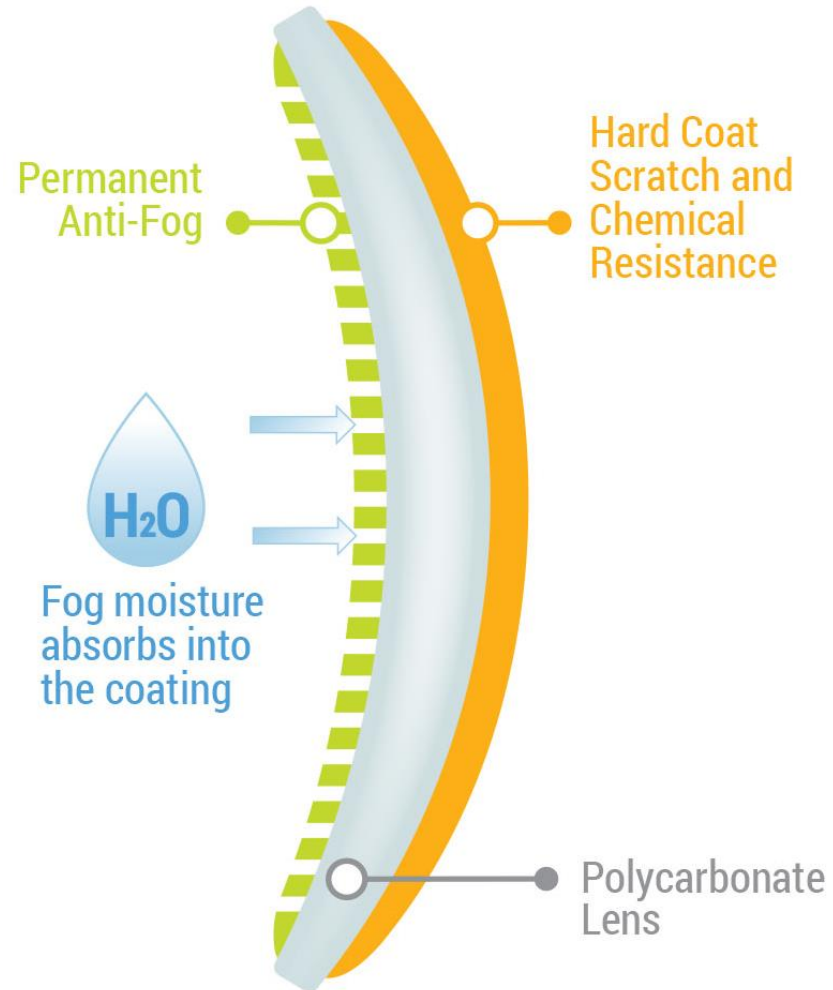
- Application-specific coatings
- Anti-fog that performs without compromise
- Optical quality that reduces eye fatigue and headaches
- Proprietary coating technology



# Coatings

## TruShield®

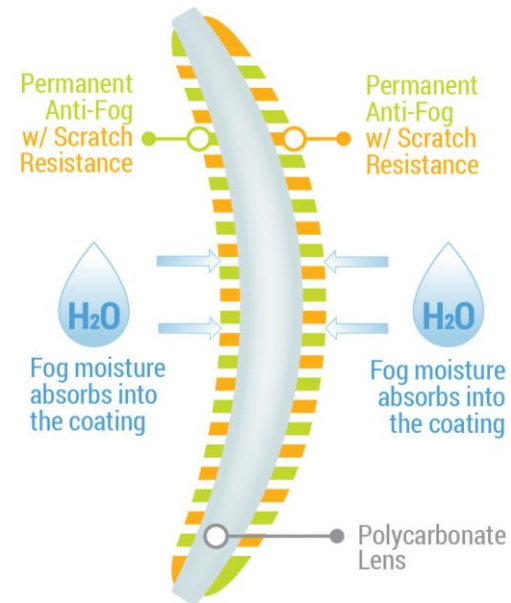
- Multipurpose dual coating suitable for most applications and environments



# Coatings

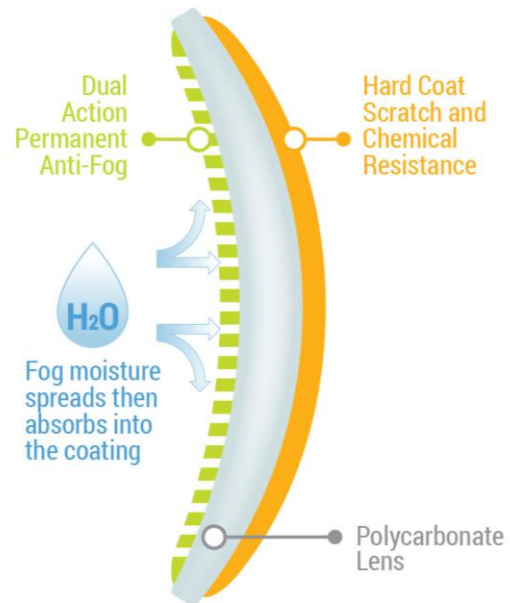
## TruShield<sup>®</sup> 2F

Clean Environments &  
Hot-To-Cold Transitions



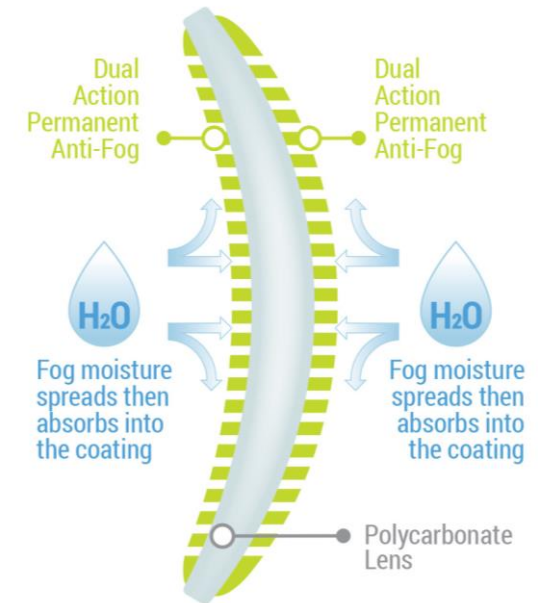
## TruShield<sup>®</sup> S

Dirt & Debris, Severe Fogging



## TruShield<sup>®</sup> 2SF

Continuous Fogging





# Wearability<sup>®</sup>

Wearability<sup>®</sup> is PPE that delivers the fit, comfort, performance and style needed to keep workers wanting to wear it.

SAFETY + REDEFINED

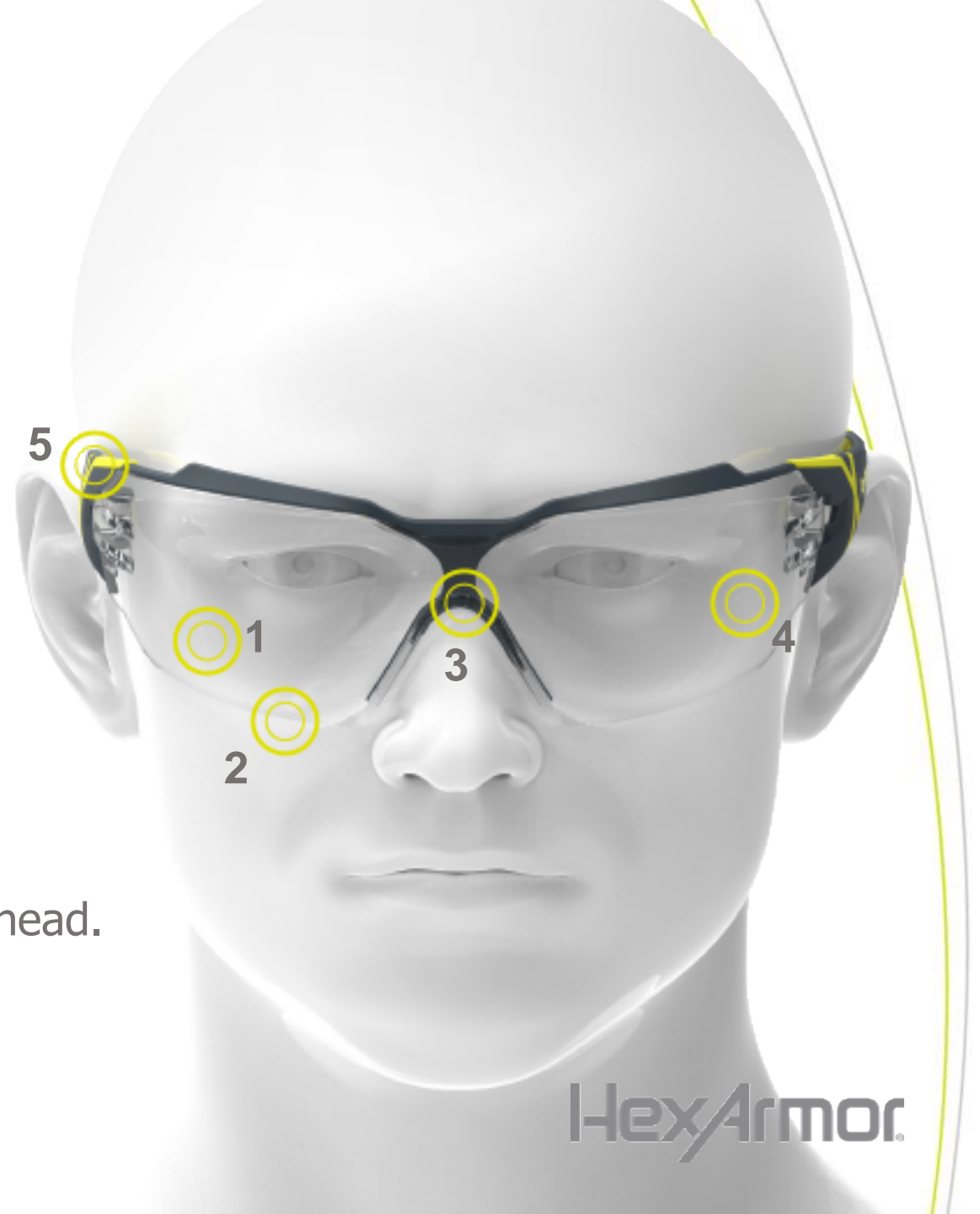
HexArmor



# Fit Guide

1. Unobstructed view in all directions
2. Fit close to the face (covers brow and soft tissue) without hitting eyelashes, no gaps
3. Comfortable nose piece with no pinching
4. Weight evenly distributed between ears and nose
5. No uncomfortable pressure points

Eyewear should stay in place when you move your head.



# Durability: Care and Maintenance

- Proper care = long term savings
- Lens cleaning solution developed for HexArmor proprietary coatings
- Wall stations and accessories



SAFETY + REDEFINED

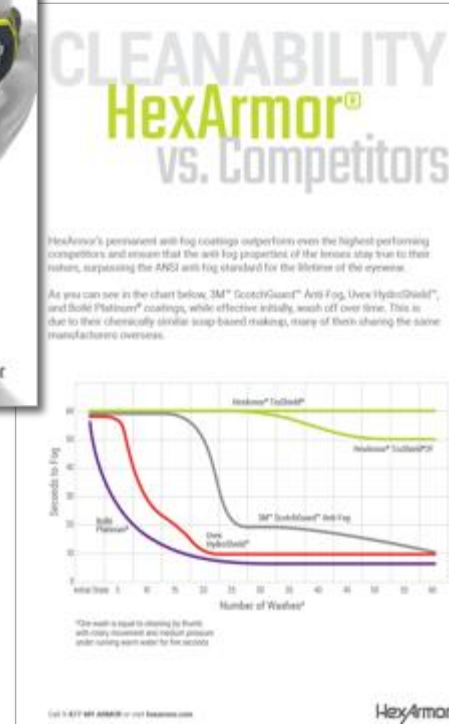
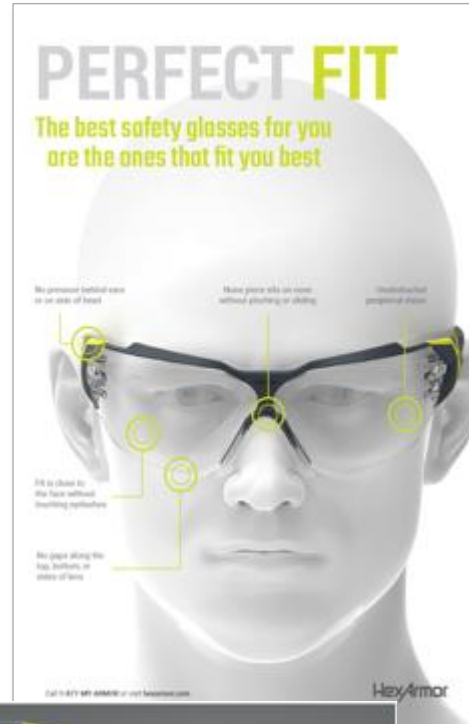
HexArmor



# Support for Your Eye Protection Program

## Marketing Tools

- Customized videos
- How to fit
- Care and cleaning poster
- Durability poster



SAFETY + REDEFINED

HexArmor



**Thank You.  
Be Safe Out There.**

SAFETY + REDEFINED.

Call **1-877-MY ARMOR** or visit **hexarmor.com**  
2000 Oak Industrial Drive NE, Grand Rapids, MI 49505

**HexArmor**