

ArcGuard[®] Performance 40 Cal

2021



**NATIONAL
SAFETY APPAREL[®]**

Agenda

- Performance
- Design
- Standards & Compliance
- Housekeeping



CARBON ARMOUR

TECGEN FR

cutGUARD



ArcGuard

hautework

KUNZ GLOVE

UnionLine FR

WILD THINGS



NATIONAL
SAFETY APPAREL®

Defining Comfort

Based on feedback from end users the top 3 qualities of a comfortable garment:



Lightweight: Doesn't weigh you down



Breathable: Allows heat & air to flow through



Moisture Wicking: Pulls moisture away from the body



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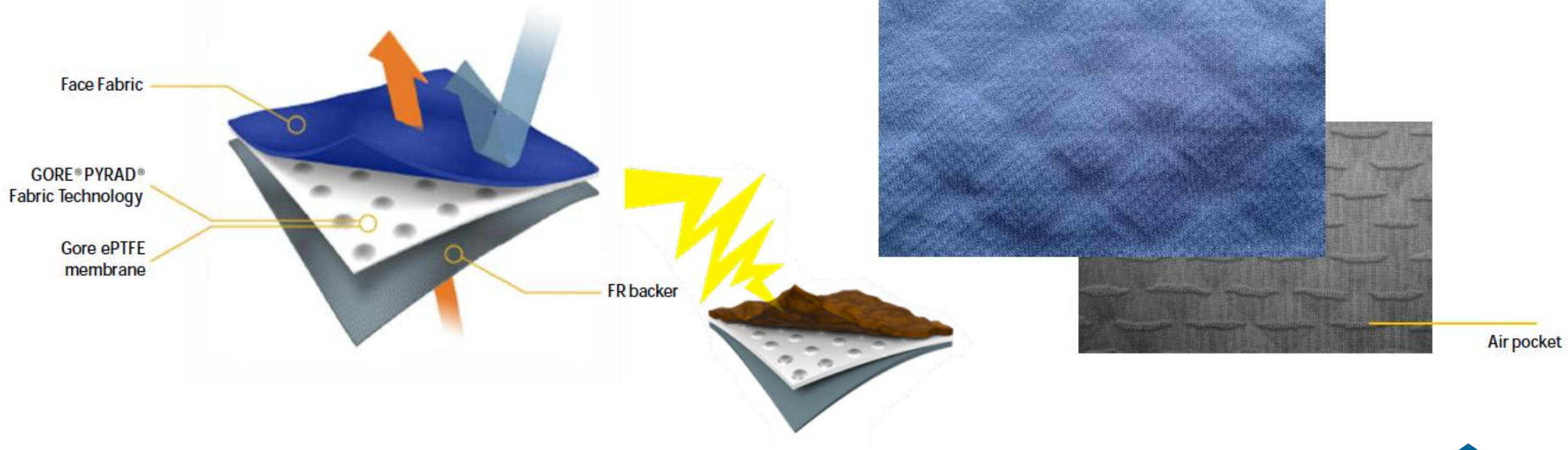
WILD THINGS



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The Comfort Science

THE FIRST SINGLE LAYER 40 CAL SYSTEM



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The Comfort Science

FEATURING PREMIUM BREATHABILITY

Breathability lets perspiration through the fabric system and keeps the wearer comfortable while working on highly physical tasks. As a fabric system, the new GORE®PYRAD® rates as very breathable per the R_{ET} Hohenstein Rating System.



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KUNZ GLOVE

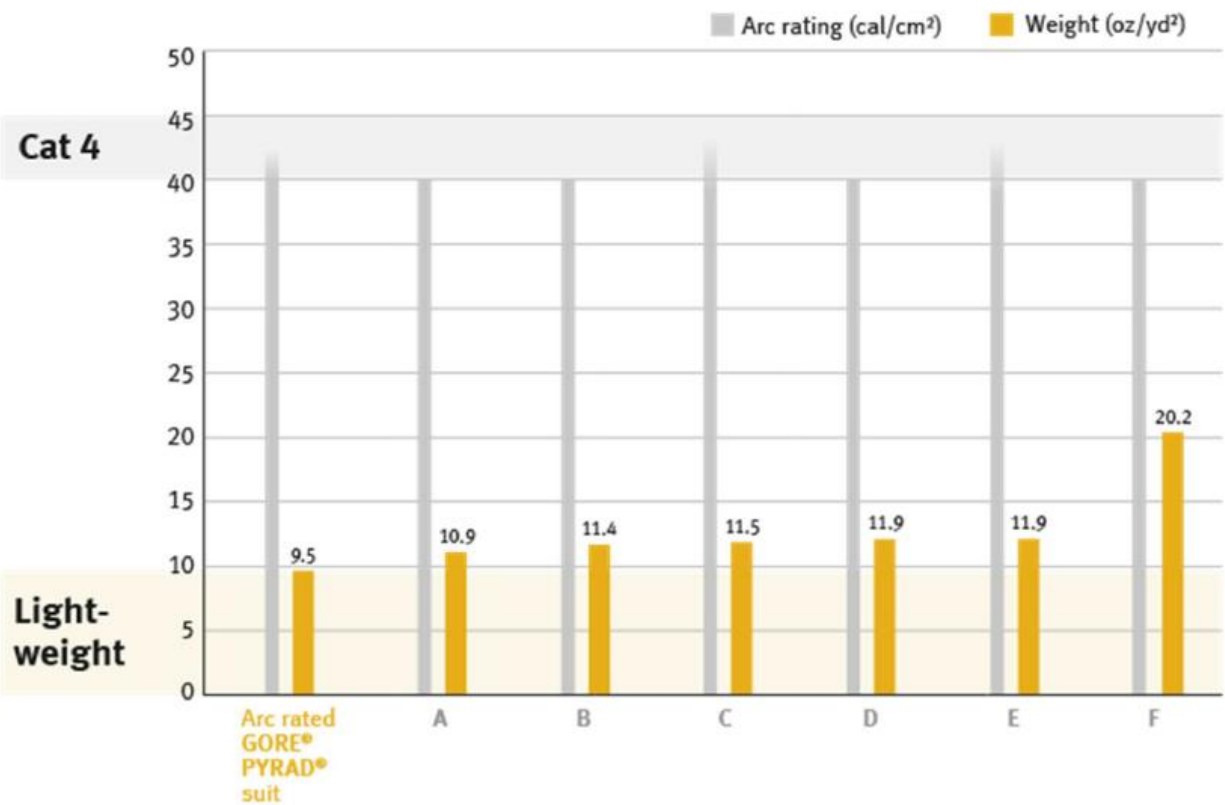
UnionLine FR

WILD THINGS



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20%
LIGHTER

As a fabric system, this product is up to 20% lighter than competitive premium products and more than 50% lighter than a competitive entry level product



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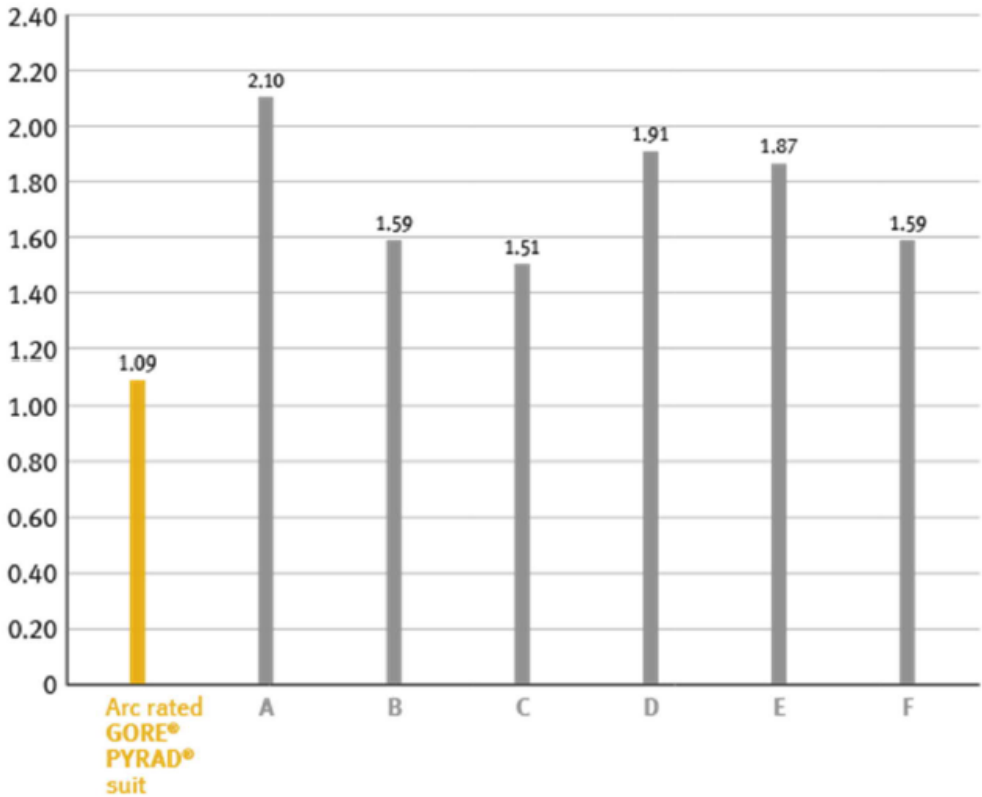
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The Comfort Science

**48%
THINNER**

The new 40 cal single layer system is up to 48% thinner than *competitive premium solutions* which allows for thin and highly functional garment design

Thickness Average (mm)



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KUNZ GLOVE

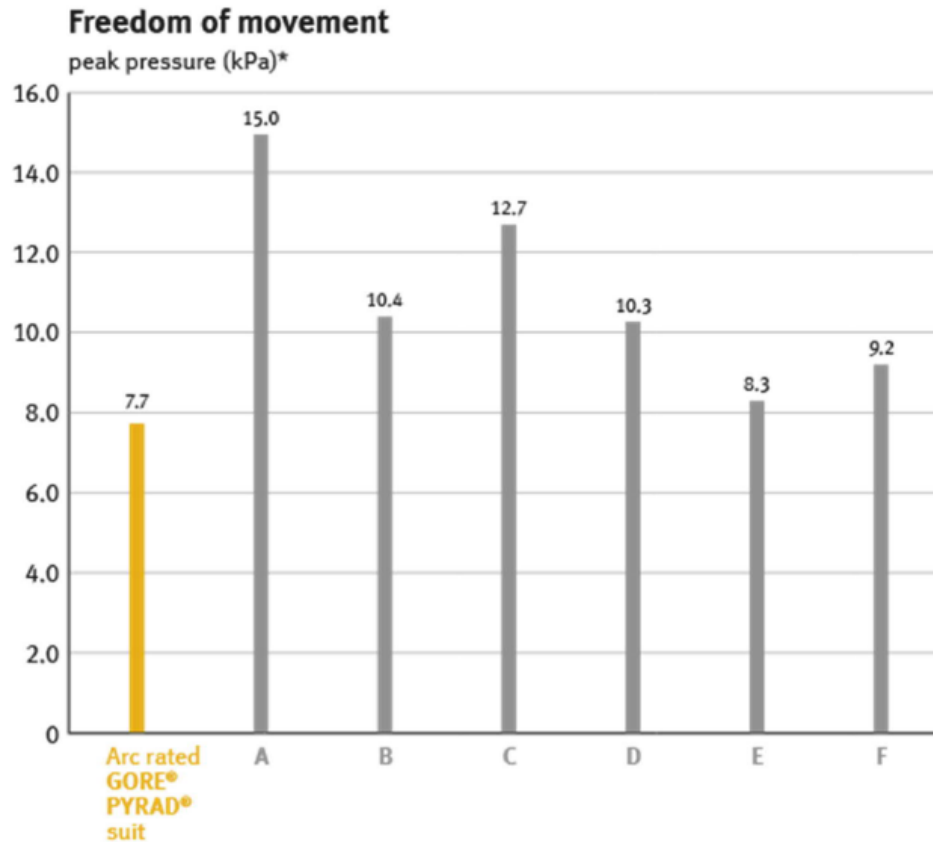
UnionLine FR

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39%
MORE FLEXIBLE

ArcGuard Performance 40 cal is up to 39% more flexible than *other competitive premium solutions*. The wearer feels an increased ease of motion with less muscular fatigue during the task (e.g. winding, repeatedly removing racks)



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ArcGuard® Performance

Knit lined collar
for soft and
comfortable fit



Adjustable waist for custom fit

**AN ARC SUIT
UNLIKE ANY OTHER**



Enhanced visibility to be
seen during low light
tasks and jobs



Added stretch panels
for ease of movement



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ArcGuard® Performance

**YOU WORK HARD ENOUGH;
YOU SHOULDN'T HAVE TO
WORRY ABOUT YOUR PPE
HOLDING YOU BACK**



Lower profile bib to
reduce weight and add
breathability

Elastic gathering at waist
for ease of movement
through any task

Pleats at knee for
added comfort when
bending or kneeling

26" leg zippers for
easy don and doff



Flex fit straps for
improved mobility
and fit



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Compliance

ASTM F1959 for Arc Rated
Materials: $>40 \text{ cal/cm}^2$

ASTM F2178 for Arc Rated
Face Protection:
 $>40 \text{ cal/cm}^2$

**NFPA
70E**

**ASTM
F1506**

**OEKO-TEX®
Standard 100**
for Harmful
Substances:
Class II

ISO 11092 for
Breathability:
<13, Very
Breathable

Compliant to
Prop 65

EN 1149-3/-5 for
Electrostatic
Properties

ARC40KIT- _ _ _ _

ARC40J- _ _

ARC40H

ARC40B- _ _

AG-BACKPACK



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**NATIONAL
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ArcGuard Performance[®] featuring



CHALLENGING CONDITIONS REQUIRE OUTSTANDING SOLUTIONS



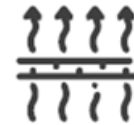
High ARC Protection

Tested and proven CAT 4
arc flash protection.
>40 cal/cm² per
ASTM F1959



Lightweight

Up to 20% lighter than
competitive suits.
Allows for thinner, less
bulky PPE



Breathable

Keeps the technician dry
and comfortable on the
inside while active and
working.



Movement

The wearer feels an
increased ease of motion
with less muscular fatigue
during the task.



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**THE COMFORT REVOLUTION
IS HERE**



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