



THE NEW ARC RATED GORE® PYRAD® SUIT

GORE®
PYRAD®
PRODUCTS

THE LIGHTEST WEIGHT 40 CAL SUIT BELOW 10 OZ

When exposed to high incident energy and performing tasks that encompass a risk of arc incidents of up to 40 cal/cm², electrical consultants, contractors and E&I technicians in fixed sites need highly reliable protective clothing. As their work is often also very physically demanding, they also need freedom of movement. With the new arc rated GORE® PYRAD® suit they no longer have to compromise: proven cat 4 arc protection in a measurably thin and lightweight fabric.

WHEN HIGHEST ARC PROTECTION IS REQUIRED AND PHYSICAL BURDEN DEMANDING



HIGH ARC PROTECTION

Tested and proven arc protection cat 4: ATPV \geq 40 cal/cm² according to ASTM F1959



LIGHTWEIGHT

Up to 20% lighter than competitive premium products. The lightest weight 40 cal arc protection below 10 oz



VERY BREATHABLE

Very breathable (referring to RET value rating, Hohenstein Institute methodology)



FREEDOM OF MOVEMENT

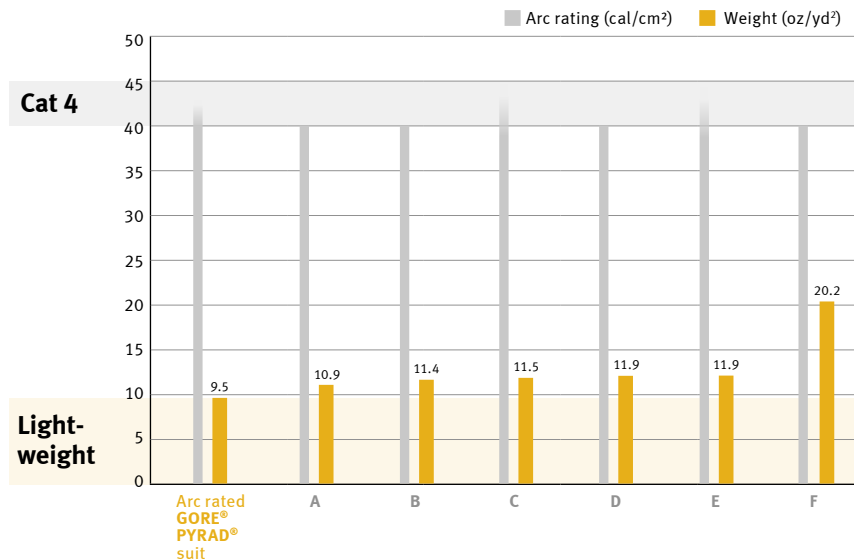
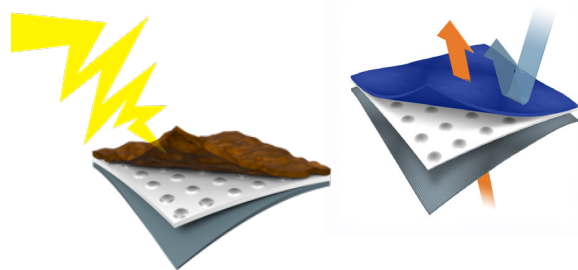
The wearer feels an increased ease of motion with less muscular fatigue during the task



The GORE® PYRAD® technology is used for the hood, the jacket and any kind of trouser form

THE SCIENCE BEHIND THE TECHNOLOGY

The new GORE® PYRAD® suit is based on a 3-layer laminate in a single ply. It blocks heat flow during arc exposure and stops flame propagation by forming a carbonaceous char with the fabric, so that heat transfer to skin is reduced.

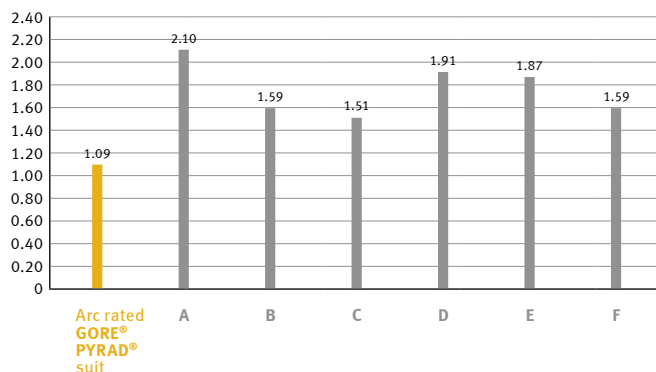


The new arc rated GORE® PYRAD® suit

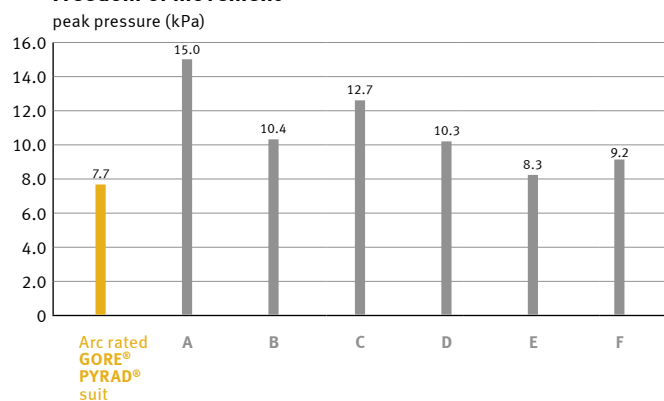
- has the lightest weight
40 cal arc protection below 10 oz
- has the highest arc rating per fabric weight ratio
- as a fabric system is up to 20% lighter than competitive premium products and more than 50% lighter than a competitive entry level product

- The new arc rated GORE® PYRAD® suit is up to 48% thinner than competitive premium solutions
- Allows for thin and highly functional garment design
- Easy donning & doffing

Thickness Average (mm)



Freedom of movement



- The new arc rated GORE® PYRAD® suit is up to 39% more flexible than other competitive premium solutions
- Due to low peak pressure needed, the wearer feels an increased ease of motion with less muscular fatigue during the task (e.g. winding, repeatedly removing racks)

Standard Compliance

ASTM F1506 / NFPA 70E (USA) and CSA Z462 (Canada)

Arc & flame resistant clothing

ASTM F1959

Arc Rating of Materials for Clothing - Arc rating 40 cal/cm² (ATPV) Arc Flash PPE

EN 1149-3/-5

Electrostatic properties of protective clothing

AATCC TM22-2017e

Water Repellency

AATCC TM118-2013e

Oil Repellency / Hydrocarbon Resistance



CALIFORNIA
PROP 65
COMPLIANT

WARNING: No products, including garments, footwear, and gloves, protect completely, even when new; their protective performance will decline with wear, tear, abrasion, and other damage associated with use.

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