THE NEW ARC RATED GORE® PYRAD® GARMENTS

GORE® PYRAD®
PRODUCTS

CLASS 2 ARC PROTECTION
HAS NEVER BEEN LIGHTER

Protective clothing is essential for electrical utility workers, but it's often heavy, bulky and restricts freedom of movement. That's why we have developed the new arc rated GORE® PYRAD® garments: At up to 50 % lighter than other garments with class 2 arc protection, with GORE® PYRAD® garments workers no longer need to compromise on safety or comfort when working indoors or outdoors, in dry and temperate conditions.

Arc rated GORE® PYRAD® Garments

- Up to 50 % lighter than other garments with class 2 arc protection
- Tested and proven according to IEC standards
- Designed for wearing all-day long in dry and temperate conditions
- Allows the wearer to be agile when working in narrow environments contributing to a higher level of safety
- Windproof and with optimised breathability

"Very light garment, much freedom of movement."
Electrical Utility Worker – Germany

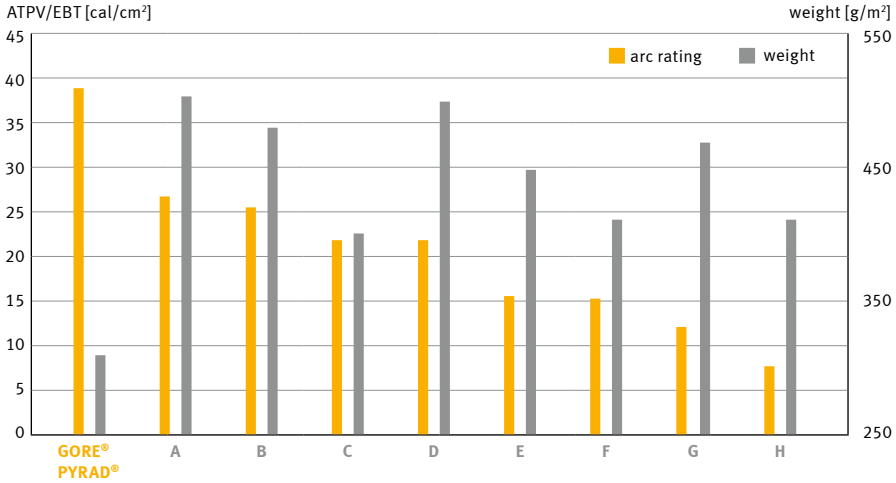
"Pleasant wearing comfort. Very light for arc rating class 2."
Electrical Utility Worker – Germany

"I like the level of arc flash protection class 2 in one layer."
Electrical Utility Worker – UK

"Comfortable, soft feeling but feels robust and adequate."
Electrical Utility Worker – UK

THE LIGHTEST CLASS 2 PPE

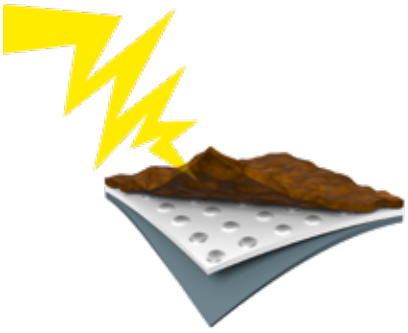
Arc rating (ATPV/EBT) and weight of different arc rated fabrics



Arc rated GORE® PYRAD® garments are up to 50 % lighter than other garments with class 2 arc protection. At the same time they provide the best arc rating.

TESTED AND PROVEN CLASS 2 ARC PROTECTION

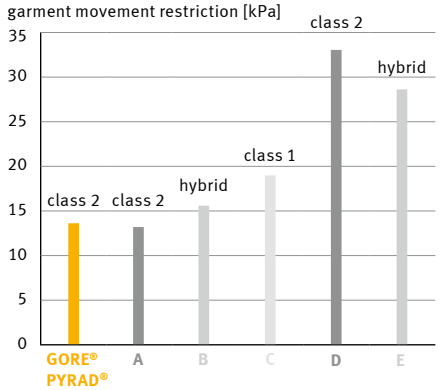
The GORE® PYRAD® fabric blocks convective heat flow on arc exposure and stops flame propagation by forming a carbonaceous char with the fabric while maintaining its physical integrity for reduced heat transfer to skin.



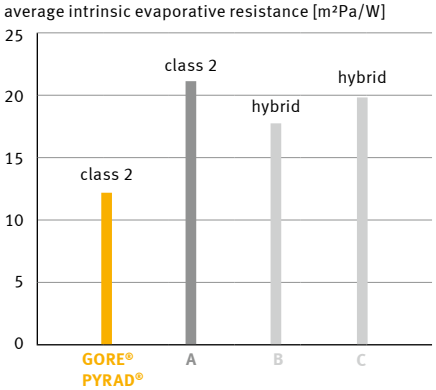
INCREASED COMFORT

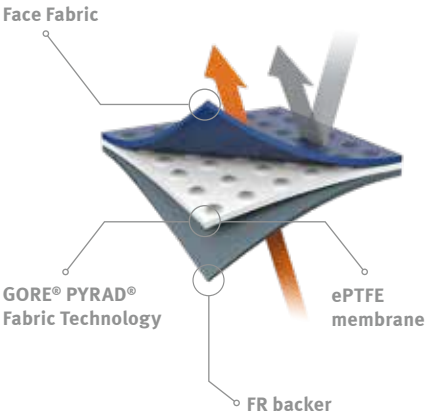
Arc rated GORE® PYRAD® garments allow the wearer to be agile when working in narrow environments. The wearer feels thermally more comfortable as the thinner material, based on single ply construction, doesn't accumulate body temperature while being active. Both contribute to a higher wearer acceptance and thus a higher level of safety.

Freedom of movement comparison in mechanical manikin test



Breathability comparison of jackets in thermal manikin test (at 35 °C, 40 % r.h.)





ENDUSES

- Electrical Utility workers who have to wear class 2 arc protection and look for more comfortable, lightweight, breathable garments.
- Enduser organisations in the Electrical Utility business, who want to provide their workers with class 2 arc protection at all times and do not want to give up on wearing comfort expectations.

NORMS & STANDARDS

Protective clothing against the thermal hazards of an electric arc
- IEC 61482-1-2:2014 class 2 (7 kA)
- IEC 61482-1-1:2019 arc rating ELIM 33 cal/cm² (ATPV 39 cal/cm²)

Clothing to protect against heat and flame
EN ISO 11612 A1, A2, B1, C1, D1, E1, F1

Protective clothing for use in welding and allied processes
EN ISO 11611 class 1 – A1+A2

Protective clothing: electrostatic properties
EN 1149-3/-5

High visibility clothing
EN ISO 20471 HI-VIS yellow

Protective clothing against liquid chemicals
EN 13034 Type 6 [PB]