

# HOW TO EASILY SELECT

## EYE AND FACE PERSONAL PROTECTION EQUIPMENT (PPE) AGAINST THE ARC FLASH

**8 STEPS** to find the best possible product:

- ① Assess the hazards and risks at your particular workplace. Accomplish this task by following the guidelines given by IEEE 1584 to determine the ATPV or given by DGUV Information 203-078 (former BGI/GUV 5188) to determine the Arc Protection Class, as applicable in the EU.
- ② Select a **product type** as per the result of your hazard and risk analysis:
  - Visor-Kit
  - Goggle or Visor Kit combined with open hood or balaclava
  - Closed hood
- ③ Consider national or company specific rules and policies.
- ④ Make sure to select products which provide appropriate protection levels (i.e. ATPV as per ASTM F2178 / NFPA 70E, or Class 1 or 2 as per GS-ET-29 / EN 166). However, do not strive for unnecessary high protection levels (risk, cost and acceptance).
- ⑤ Consider the possibly poor illumination condition at your particular workplace.
- ⑥ Make sure that the window or lens provides best possible light transmittance and contrast properties.
- ⑦ Don't trust shallow marketing phrases! Test the applicability at your workplace. Compare a PAULSON Arc Shield with a product of another manufacturer providing the same protection level. Which product allows you to distinguish cable codes more accurately? Which product supports you better in using your tools?
- ⑧ Understand the markings shown on the products. Consider to contact the product manufacturer who should show and explain his test reports and certificates.



In reality you often look into the dark!



... IT IS YOUR LIFE OR THE LIFE OF YOUR EMPLOYEES AND COLLEAGUES,  
WE ARE PLEASED TO SUPPORT YOU – **PAULSON INTERNATIONAL!**

## SMART SOLUTIONS

### PROTECTING AGAINST THE HAZARDS OF AN ARC FLASH, FOR CLEVER SAFE WORKING!

#### COMPARE OUR PRODUCTS DURING YOUR DAILY WORK, COMPARE OUR TEST REPORTS:

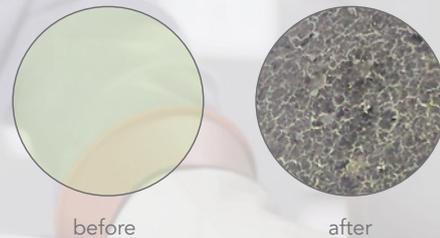
Most arc flash protective products are a compromise. They shall block as much arc energy as necessary and let pass through as much light as possible. Such arc flash protective visors or goggles must be relative dark, as they cannot change their optical properties in an emergency situation.

Don't accept compromises! Protect yourself with smart eye and face protectors, which are able to differentiate between „normal“ working conditions and an arc incident. **Safety means optimized view at best possible protection – without compromises!**

**2-in-1 Safety:** PAULSON's Arc Shields and Arc Goggles react to an arc flash by utilizing the arc energy to change the thermal insulation and absorption properties, i.e. increasing the arc protection of the window or lens – **smart adapting!**

**Best possible Light Transmittance:** The tinting of the PAULSON windows and lenses is optimized to distinguish between cable codes and provide contrast enhancement, even supporting you at workplaces with poor or difficult illumination conditions.

**Best possible protection in case of an arc flash incident – the PAULSON technology utilizes the arc energy to increase the protection level, where other technologies can only block the arc energy.** In case of an arc flash the PAULSON material generates an insulating and heat radiation absorbing crust (= Carbonization).



Trust in 25 years of research and development to protect people against arc flash incidents of up to 100 cal/cm<sup>2</sup>. Rely on 70 years of experience in eye and face protection!

#### PAULSON SAFETY – CLEVER ADAPTING PROPERTIES WHEN IT MATTERS!

