

# FlashShield CAN'T PERFORM



## DOES NOT DELIVER ADVERTISED PERFORMANCE

- Independent testing by scientists from Texas Tech showed FlashShield failed when tested to its own listing criteria – it could not meet the 36 coulomb of electric charge performance criteria
- It also does not meet the Lubbock, TX requirements (85 coulombs)
- Galvanic corrosion at the fittings affects promised performance



## FLASHSHIELD'S PROTECTIVE MESH CORRODES

- Galvanic corrosion will happen because of dissimilar metals between brass fitting and aluminum mesh – faulty design means it's just a matter of time before FlashShield fails
- Galvanic corrosion at the fittings affects promised electrical performance – electrical flow is disrupted by discontinuity when mesh corrodes away – and may result in arcing failure



## HARD TO HANDLE AND INSTALL

- Thin outer jacket rips and tears when pulled through the house. The instructions state to tape up the tears – but not feasible if tears are in long run behind drywall
- Measure once – cut three times! Cut the tubing, cut all 3 jacket layers to expose a corrugation valley, cut the outer jacket to expose the mesh
- Hard to install correctly because of difficulty cutting through 3 layers and properly connecting fitting to metal mesh – most installers don't follow the instructions



## FLASHSHIELD PATENTED DESIGN IS NOT THE NEW STANDARD

- Titeflex has several patents on the FlashShield product
- Attempts to mandate the FlashShield design as new CSST standard would create a patent monopoly for one company
- National Fire Protection Association and the Oklahoma and Iowa building codes commissions have rejected these self-serving proposals



## SUSCEPTIBLE TO ARCING FROM HOUSEHOLD CURRENT

- Claims that FlashShield can withstand stray household current are:
  - > False because gas piping cannot be used as a grounding conductor
  - > False because FlashShield sizzles like bacon when its exposed to 120v AC current – see YouTube video



## LIMITED PERFORMANCE TRACK RECORD

- FlashShield has only been sold exclusively for two years – there is little field performance data to support product claims



## FlashShield patented design is flawed and attempts to require all CSST adhere to that design are dangerous

- > Eliminates competition and leaves only one CSST manufacturer in the United States
- > Leaves customers with two bad choices – the defective FlashShield product or deadly black iron pipe