Designed and Tested by the Pulp and Paper Industry
For the Pulp and Paper Industry

www.orrsafety.com
The **XP MAX** Story

**The Problem**
In 2012 ORR Safety was challenged by an important Pulp and Paper customer to **design one garment to replace multiple personal protective equipment pieces** they had in use. The products they were wearing were heavy, hot, uncomfortable and impractical. It required their safety managers and supervisors to ensure employees made numerous changes per shift to be appropriately outfitted to address each hazard they encountered during their work day, a daunting task for all involved.

**The Challenge**
Our challenge was to **find or develop a single piece of protective clothing that would replace multiple garments used daily in a variety of harsh environments**. This new garment would have to protect workers from heat and chemical splash, but would also need to be lightweight, durable and comfortable to wear. **Clothing that could meet these requirements would improve protection, agility and efficiency while reducing fatigue**. Employees would be able to get their work done, and be more productive.

**The Solution**
Once we understood the complexity of the hazards and needs of the workers, we reached out to trusted suppliers to help us brainstorm a solution. It was during this process that we found a material we thought could meet the requirements.

Sample garments were sent to the customer. After nearly a year of successful testing along with an overwhelming positive response from their workers, we knew we had the solution; **XP MAX Protective Safety Wear**.

**Protection Comes First**
When there’s a challenge with protecting people in the workplace, our customers know they can rely on ORR Safety’s knowledge, experience and relationships to go beyond commodity PPE to provide true protection, true solutions, and true value.
“You won’t find a single garment like this anywhere else!”

**Superior Protection**

- High Heat Temperatures
- Sulfuric Acid
- Sodium Chlorate
- Sodium Hydroxide
- White Liquor
- Green Liquor
- Hydrogen Peroxide
- Black Liquor
- Hot Ash

**Standards**

- NFPA 70E Electrical Arc Testing
  - 8.6 cal-HRC2
- ASTM F739-12 for Permeation of Liquids and Gases

ORR Safety
Your Safety. Our Focus.
Multiple Configurations Available!

Jacket with Hood
- 30 inches long (other jacket lengths available)
- Heavy duty zipper on Aramid tape
- All metal thermally protected from skin
- Double protective storm flap with Velcro®
- Aramid high tenacity FR thread
- Bar-tacked at stress points
- Mic/radio tabs
- Attached hood with drawstring closure
- Cinch straps on wrists
- Throat guard over zipper with Velcro® closure

Bib Overalls
- Bib pant comes in variety of lengths and offers maximum fit and comfort
- Aramid high tenacity FR thread
- Bar-tacked at all stress points
- Heavy duty zipper on Aramid tape
- All metal thermally protected from skin
- Velcro® closure over zipper
- Aramid stretch straps across back of bib for comfort
- Thermal adjustable buckles
- Cinch straps on legs

Coveralls with Hood
- Coverall built for comfort and ease of donning with side elasticized waist and an attached hood
- Aramid high tenacity FR thread
- Bar-tacked at all stress points
- Heavy duty zipper on Aramid tape
- All metal thermally protected from skin
- Attached hood with drawstring closure
- Double protective storm flap with Velcro®
- Cinch straps on wrists
- Cinch straps on legs
- Mic/radio tabs

Fabric:
CarbonX CR80 Repel - is made of a patented blend of high-performance fibers and a proprietary compound that enables the fabric to shed molten metal, certain chemicals and hot or flammable liquids. The fabric is non-flammable and will not burn, melt or ignite.
## Styles and Sizes

Listed below are in stock and available for immediate delivery!

### 30” Jacket with Attached Hood
FR Jacket, XP Max, 9 oz. Gray Inherent Fabric, NFPA 2112, 8.3 Cal, HRC 2, Chemical Splash

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### 52” Jacket with Attached Hood
FR Jacket, XP Max, 9 oz. Gray Inherent Fabric, NFPA 2112, 8.3 Cal, HRC 2, Chemical Splash

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### 35” Jacket with Attached Hood
FR Jacket, XP Max, 9 oz. Gray Inherent Fabric, NFPA 2112, 8.3 Cal, HRC 2, Chemical Splash

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### Bib Overalls
FR Overall, XP Max, 9 oz. Gray Inherent Fabric, NFPA 2112, 8.3 Cal, HRC 2, Chemical Splash, Suspenders

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