



WÜRTH

NSI Northern Safety
& Industrial

| **ORR** Safety

| **OLIVER H.
VAN HORN**



Protective Clothing

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





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.

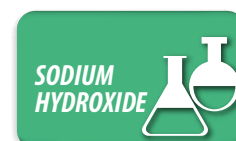
PROTECTION COMES FIRST

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.



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.

Superior Protection



Standards:

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



Standard styles and sizes in stock for immediate delivery.
Contact your XP MAX specialist for availability on other sizes and options.

30" Jacket and FR Lined Jacket

- 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
- Throat guard over zipper with Velcro®
- Mic/radio tabs
- FR Lined jackets have sewn in FR 6.5oz 100% cotton liner and with labeled external patch for easy identification
- Additional lengths and hood configurations are available upon request

Unlined, Attached Hood		
Description	Unit	ORR #
Small	EA	OSC91001130S
Medium	EA	OSC91001130M
Large	EA	OSC91001130L
X Large	EA	OSC91001130XL
2X Large	EA	OSC910011302X
3X Large	EA	OSC910011303X

FR Lined, Attached Hood		
Description	Unit	ORR #
Small	EA	OSC94001130S
Medium	EA	OSC94001130M
Large	EA	OSC94001130L
X Large	EA	OSC94001130XL
2X Large	EA	OSC940011302X
3X Large	EA	OSC940011303X



FR LINED

* FR lined garments labeled by external patch for easy identification

35" Jacket and FR Lined Jacket

- 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
- Throat guard over zipper with Velcro®
- Mic/radio tabs
- FR Lined jackets have sewn in FR 6.5oz 100% cotton liner and with labeled external patch for easy identification
- Additional lengths and hood configurations are available upon request

Unlined, Attached Hood		
Description	Unit	ORR #
Small	EA	OSC91001135S
Medium	EA	OSC91001135M
Large	EA	OSC91001135L
X Large	EA	OSC91001135XL
2X Large	EA	OSC910011352X
3X Large	EA	OSC910011353X

FR Lined, Attached Hood		
Description	Unit	ORR #
Small	EA	OSC94001135S
Medium	EA	OSC94001135M
Large	EA	OSC94001135L
X Large	EA	OSC94001135XL
2X Large	EA	OSC940011352X
3X Large	EA	OSC940011353X



FR LINED

* FR lined garments labeled by external patch for easy identification

"You won't find protective clothing like this anywhere else!"

40" Jacket and FR Lined Jacket

- 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
- Throat guard over zipper with Velcro®
- Mic/radio tabs
- FR Lined jackets have sewn in FR 6.5oz 100% cotton liner and with labeled external patch for easy identification
- Additional lengths and hood configurations are available upon request

Unlined, Attached Hood		
Description	Unit	ORR #
Small	EA	OSC91001140S
Medium	EA	OSC91001140M
Large	EA	OSC91001140L
X Large	EA	OSC91001140XL
2X Large	EA	OSC910011402X
3X Large	EA	OSC910011403X

FR Lined, Attached Hood		
Description	Unit	ORR #
Small	EA	OSC94001140S
Medium	EA	OSC94001140M
Large	EA	OSC94001140L
X Large	EA	OSC94001140XL
2X Large	EA	OSC940011402X
3X Large	EA	OSC940011403X



FR LINED

* FR lined garments labeled by external patch for easy identification

52" Jacket and FR Lined Jacket

- 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
- Throat guard over zipper with Velcro®
- Mic/radio tabs
- FR Lined jackets have sewn in FR 6.5oz 100% cotton liner and with labeled external patch for easy identification
- Additional lengths and hood configurations are available upon request

Unlined, Attached Hood		
Description	Unit	ORR #
Small	EA	OSC91001152S
Medium	EA	OSC91001152M
Large	EA	OSC91001152L
X Large	EA	OSC91001152XL
2X Large	EA	OSC910011522X
3X Large	EA	OSC910011523X

FR Lined, Attached Hood		
Description	Unit	ORR #
Small	EA	OSC94001152S
Medium	EA	OSC94001152M
Large	EA	OSC94001152L
X Large	EA	OSC94001152XL
2X Large	EA	OSC940011522X
3X Large	EA	OSC940011523X



FR LINED

* FR lined garments labeled by external patch for easy identification

***Big and Tall Sizes Available up to 7XT. Call For Details.**

Bib Overalls and FR Lined Bib Overalls

- 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
- FR lined bib overalls are labeled with external patch for easy identification
- Bib overalls are available in regular and tall lengths

Unlined		
Description	Unit	ORR #
Small	EA	OSC91001110S
Medium	EA	OSC91001110M
Large	EA	OSC91001110L
X Large	EA	OSC91001110XL
2X Large	EA	OSC910011102X
3X Large	EA	OSC910011103X

FR Lined		
Description	Unit	ORR #
Small	EA	OSC96001110S
Medium	EA	OSC96001110M
Large	EA	OSC96001110L
X Large	EA	OSC96001110XL
2X Large	EA	OSC960011102X
3X Large	EA	OSC960011103X



FR LINED

* FR lined garments labeled by external patch for easy identification

Apron

- The XP™ MAX Apron is made from the same proven and trusted lightweight CR80 Repel FR Fabric
- Ideal for use in the Day Lab when testing samples
- Protects from recovery boiler smelt, a variety of caustics, white, green and black liquors
- 45" Length with adjustable neck strap
- 9oz Dark Grey CR80 Repel Carbon X
- Aramid high tenacity FR thread
- Bar-tacked at all stress points

Description	Unit	ORR #
One Size	EA	OSC8000045



Leggings

- Dark Grey, CarbonX CR80 Repel
- Aramid high tenacity FR thread
- Bar-tacked at all stress points
- Three Velcro® straps in back, top, middle and bottom
- Long Velcro® strip from top to bottom
- Flap under the Velcro® straps
- 16 inches tall and adjustable to fit calves



Description	Unit	ORR #
16" Leggings	PR	OSC8000016

Comfort Hood for Chemical Splash or High Heat/Smelt

- XP MAX Hood, outer shell CarbonX CR 80 Repel material
- Chemical & High Heat/Smelt hoods labeled with external patch for easy identification.
- Patented battery powered cooling system (8 AA batteries included) produces 80 cfm of air for comfort in hot environments and decreases lens fogging
- Estimated Battery life, 8-10 hours of continuous run time
- Replaceable chemical resistant lens
- Replaceable high heat nylon lens
- Lens meets ANSI Z87.1
- Dielectric hard cap with ratchet suspension included
- One size



Back View

Description	Unit	ORR #
C Hood for chemical splash	EA	OSC7000001
H Hood for heat/smelt with nylon visor	EA	OSC8000001

Gloves

- Constructed with flame resistant stitching throughout
- Goat skin palm covering for added durability
- Cut resistant and ANSI level 6 liner
- Padded knuckle protection
- Continuous, long cuff design



Description	Unit	ORR #
FR Gloves, Flame Resistant, ANSI Level 6 Liner, Long Cuff Design, Size Small	PR	ORRANSICUT6CS
FR Gloves, Flame Resistant, ANSI Level 6 Liner, Long Cuff Design, Size Medium	PR	ORRANSICUT6CM
FR Gloves, Flame Resistant, ANSI Level 6 Liner, Long Cuff Design, Size Large	PR	ORRANSICUT6CL
FR Gloves, Flame Resistant, ANSI Level 6 Liner, Long Cuff Design, Size X Large	PR	ORRANSICUT6CXL
FR Gloves, Flame Resistant, ANSI Level 6 Liner, Long Cuff Design, Size 2X Large	PR	ORRANSICUT6C2XL
FR Gloves, Flame Resistant, ANSI Level 6 Liner, Long Cuff Design, Size 3X Large	PR	ORRANSICUT6C3XL

Ordering Information

**For Questions or More
Information on These
Products, Please Contact:**

Tim Ledbetter

Vertical Manager - Pulp & Paper/XP MAX

Email: Tledbetter@orrsafety.com

Phone: **423.240.2895**

Or visit our website at:

<https://info.orrsafety.com/xp-max-page>



NSI Northern Safety & Industrial | ORR Safety | OLIVER H. VAN HORN