



Protective Clothing

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



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northernsafety.com



NSI Northern Safety
& Industrial

ORR Safety

OLIVER H. VAN HORN



The XP Max Story

THE PROBLEM

One of our pulp and paper customers had a problem. The protective garments they were wearing in the mills were heavy, hot, uncomfortable, and impractical. The current clothing 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. They approached our development team with a challenge: design one garment to replace multiple personal protective equipment pieces they had in use.

THE CHALLENGE

We accepted the challenge and set out to replace these 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.

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.



Sample garments were sent to the customer. After nearly a year of successful testing along with an overwhelming positive response from 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 our knowledge, experience, and relationships to go beyond commodity PPE to provide true protection, true solutions, and true value.

Superior Protection



HIGH HEAT
TEMPERATURES



SULFURIC
ACID



WHITE
LIQUOR



GREEN
LIQUOR



BLACK
LIQUOR



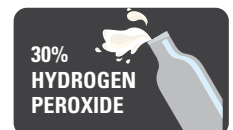
HOT
ASH



SODIUM
CHLORATE



SODIUM
HYDROXIDE



30%
HYDROGEN
PEROXIDE

Standards:

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



Standard Styles & Sizes In Stock Ready To Ship!



30" Jackets

- CarbonX® CR 80 Repel material
- Aramid high tenacity FR thread
- Bar-tacked at all stress points
- Heavy-duty zipper on Aramid tape
- All metal is 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

Würth/ORR Item#	Würth/NSI Item#	Size	Unit
Unlined, Attached Hood:			
OSC91001130S	365523 S	Small	EA
OSC91001130M	365523 M	Medium	EA
OSC91001130L	365523 L	Large	EA
OSC91001130XL	365523 XL	X-Large	EA
OSC910011302X	365523 2XL	2X-Large	EA
OSC910011303X	365523 3XL	3X-Large	EA



FR LINED

FR lined garments labeled by external patch for easy identification

35" Jackets

- CarbonX® CR 80 Repel material
 - Aramid high tenacity FR thread
 - Bar-tacked at all stress points
 - Heavy-duty zipper on Aramid tape
 - All metal is 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 6.5 oz. 100% cotton liner and are labeled with an external patch for easy identification
 - Additional lengths and hood configurations are available upon request

Würth/ORR Item#	Würth/NSI Item#	Size	Unit
Unlined, Attached Hood:			
OSC91001135S	365528 S	Small	EA
OSC91001135M	365528 M	Medium	EA
OSC91001135L	365528 L	Large	EA
OSC91001135XL	365528 XL	X-Large	EA
OSC910011352X	365528 2XL	2X-Large	EA
OSC910011353X	365528 3XL	3X-Large	EA
FR Lined, Attached Hood:			
OSC94001135S	405018 S	Small	EA
OSC94001135M	405018 M	Medium	EA
OSC94001135L	405018 L	Large	EA
OSC94001135XL	405018 XL	X-Large	EA
OSC940011352X	405018 2XL	2X-Large	EA
OSC940011353X	405018 3XL	3X-Large	EA

Visit northernsafety.com for Our Full Line of Safety & MRO Products



Made Exclusively by Würth NSI

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

40" Jackets

- CarbonX® CR 80 Repel material
- Aramid high tenacity FR thread
- Bar-tacked at all stress points
- Heavy-duty zipper on Aramid tape
- All metal is 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 6.5 oz. 100% cotton liner and are labeled with an external patch for easy identification
- Additional lengths and hood configurations are available upon request



FR LINED

FR lined garments labeled by external patch for easy identification



Würth/ORR Item#	Würth/NSI Item#	Size	Unit
Unlined, Attached Hood:			
OSC91001140S	365626 S	Small	EA
OSC91001140M	365626 M	Medium	EA
OSC91001140L	365626 L	Large	EA
OSC91001140XL	365626 XL	X-Large	EA
OSC910011402X	365626 2XL	2X-Large	EA
OSC910011403X	365626 3XL	3X-Large	EA

Würth/ORR Item#	Würth/NSI Item#	Size	Unit
FR Lined, Attached Hood:			
OSC94001140S	381703 S	Small	EA
OSC94001140M	381703 M	Medium	EA
OSC94001140L	381703 L	Large	EA
OSC94001140XL	381703 XL	X-Large	EA
OSC940011402X	381703 2XL	2X-Large	EA
OSC940011403X	381703 3XL	3X-Large	EA

52" Jackets

- CarbonX® CR 80 Repel material
- Aramid high tenacity FR thread
- Bar-tacked at all stress points
- Heavy-duty zipper on Aramid tape
- All metal is 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 6.5 oz. 100% cotton liner and are labeled with an external patch for easy identification
- Additional lengths and hood configurations are available upon request



FR LINED

FR lined garments labeled by external patch for easy identification



Würth/ORR Item#	Würth/NSI Item#	Size	Unit
Unlined, Attached Hood:			
OSC91001152S	365630 S	Small	EA
OSC91001152M	365630 M	Medium	EA
OSC91001152L	365630 L	Large	EA
OSC91001152XL	365630 XL	X-Large	EA
OSC910011522X	365630 2XL	2X-Large	EA
OSC910011523X	365630 3XL	3X-Large	EA

Würth/ORR Item#	Würth/NSI Item#	Size	Unit
FR Lined, Attached Hood:			
OSC94001152S	405019 S	Small	EA
OSC94001152M	405019 M	Medium	EA
OSC94001152L	405019 L	Large	EA
OSC94001152XL	405019 XL	X-Large	EA
OSC940011522X	405019 2XL	2X-Large	EA
OSC940011523X	405019 3XL	3X-Large	EA

Contact Your XP Max Specialist Tim Ledbetter Today: **423.240.2895**

Ultimate Gear for Pulp & Paper Workers



Big & Tall Sizes Available up to 7X!
Contact your XP Max specialist for availability



Apron

- CarbonX® CR 80 Repel material
- Ideal for use in the Day Lab when testing samples
- 45" length with adjustable neck strap
- Aramid high tenacity FR thread
- Bar-tacked at all stress points

Bib Overalls

- CarbonX® CR 80 Repel material
- Aramid high tenacity FR thread
- Bar-tacked at all stress points
- Heavy-duty zipper on Aramid tape
- All metal is thermally protected from skin
- Velcro® closure over zipper
- Aramid stretch straps across back of bib for comfort
- Thermal-resistant, adjustable buckles
- Cinch straps on legs
- **FR lined bib overalls:** have sewn-in, FR 6.5 oz. 100% cotton liner and are labeled with an external patch for easy identification
- Bib overalls are available in regular and tall lengths



FR LINED

FR lined garments labeled by external patch for easy identification

Würth/ORR Item#	Würth/NSI Item#	Size	Unit
OSC8000045	406943	One Size	EA

16" Leggings

- CarbonX® CR 80 Repel material
- Aramid high tenacity FR thread
- Bar-tacked at all stress points
- Three Velcro® straps in back, top, middle and bottom keep garment in place
- Long Velcro® strip from top to bottom adds security
- Flap under the Velcro® straps
- 16" tall and adjustable to fit calves



Würth/ORR Item#	Würth/NSI Item#	Size	Unit
OSC8000016	365514	One Size	PR

Würth/ORR Item#	Würth/NSI Item#	Size	Unit
Unlined:			
OSC91001110S	365520 S R	Small	EA
OSC91001110M	365520 M R	Medium	EA
OSC91001110L	365520 L R	Large	EA
OSC91001110XL	365520 XL R	X-Large	EA
OSC910011102X	365520 2XL R	2X-Large	EA
OSC910011103X	365520 3XL R	3X-Large	EA
FR Lined:			
OSC96001110S	401558 S	Small	EA
OSC96001110M	401558 M	Medium	EA
OSC96001110L	401558 L	Large	EA
OSC96001110XL	401558 XL	X-Large	EA
OSC960011102X	401558 2XL	2X-Large	EA
OSC960011103X	401558 3XL	3X-Large	EA

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Protective Clothing

FR Gloves

- CarbonX CR 80 Repel material
- Constructed with flame resistant stitching throughout
- Goat skin palm covering for added durability
- ANSI cut-resistant level 6 liner
- Padded knuckle protection
- Continuous, long cuff design



ANSI LEVEL 6 Liner

Würth/ORR Item#	Würth/NSI Item#	Size	Unit
OSCANSICUT6CS	366110	Small	PR
OSCANSICUT6CM	366110	Medium	PR
OSCANSICUT6CL	366110	Large	PR
OSCANSICUT6CXL	366110	X-Large	PR
OSCANSICUT6C2X	366110	2X-Large	PR
OSCANSICUT6C3X	366110	3X-Large	PR



WÜRTH

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**For More Information,
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Shop Online: northernsafety.com



Back View

Comfort Hood for Chemical Splash or High Heat/Smelt Protection

- Outer shell is made of CarbonX CR 80 Repel material
- Labeled with external patch for easy protection identification: Chemical or High Heat/Smelt
- Patented battery powered cooling system produces 80 cfm of air for comfort in hot environments and decreases lens fogging (8 AA batteries included)
- Estimated battery life: 8-10 hours of continuous run time
- Lens is replaceable for added convenience
- Dielectric hard cap with ratchet suspension included
- Lens meets ANSI Z87.1
- One size

Würth/ORR Item#	Würth/NSI Item#	Description	Visor	Unit
C OSC7000001	400238	For Use w/Chemical Splash	Tritan	EA
H OSC8000001	413026	For Use w/High Heat/Smelt	Nylon	EA