

PULP AND PAPER PROVEN.

DuraChem® 200 delivers Chemical, Thermal and Heat Stress protection in a single garment.



Kappler's DuraChem® 200 provides hi-vis protection against seven critical hazards.

Appearances can be deceiving – DuraChem® 200 from Kappler is *not* a typical yellow suit. It is a multi-hazard protective garment designed and developed with specific input from pulp and paper processing facilities. Kappler is now introducing this multi-functional apparel to pulp and paper plants across the country.

- Designed specifically for pulp and paper operations.
- Launderable garment and flexible hood options simplify PPE inventory.
- Certified to or compliant with multiple safety standards:
 - Chemical (including Green, Black and White Liquors) – *NFPA 1990 (1992) Certified*
 - Flame Resistant – *NFPA 2112 Certified*
 - Arc Flash – *NFPA 70E Compliant*
 - Steam and Hot Water
 - Heat Stress
 - Molten Metal Splash
 - High Visibility – *ANSI 107*

See testing details on reverse.



When the heat is on, DuraChem® 200 is the proven multi-hazard solution.

Hot liquors, hot ash, 300° F steam... things get pretty heated in pulp and paper production. That's what makes DuraChem 200 the ideal solution for multi-hazard, hi-vis apparel. Designed with input from pulp and paper facilities, this unique garment provides flexible protection from smelt to line breaks. Plus the breathable garment means reduced heat stress, improved comfort and better productivity. Add chemical, biological, molten metal splash, arc flash and FR protection in a single suit, and DuraChem 200 is a proven workhorse for pulping operations.

Data makes the difference with DuraChem 200.

Chemical Testing

NFPA 1990 (1992) Test Battery plus many other specific chemicals including Green, Black and White Liquors. Chemical penetration testing was conducted in accordance with ASTM F903 Procedure C.

Thermal and Burn Testing

Heat Thermal Performance (HTP) ASTM F2700

Flame Resistance ASTM D6413

Thermal Protective Performance (TPP) ISO 17492

Shrinkage/Heat Resistance ASTM F2894

Manikin Body Burn (Pyroman) ASTM F1930 Exposed Head, min - 6.56%

Heat Transfer Molten Substances ASTM F955

Electric Arc Rating ASTM F1959

Steam 302°F @ 30 psi @ 2.4" University of Alberta (CAN/CSGB 155.20)

Hot Water (185°F @ 6L/min) @ 2.0" University of Alberta (CAN/CSGB 155.20)

Comfort Testing

Total Heat Loss ASTM F1868 Procedure C

Evaporative Resistance ISO 11092 7.4

Water Vapor Transmission ASTM E96

Biohazard Testing (Fabric & Seams)

ASTM F1671 (Blood & Viral Penetration)

Additional Testing

Cold Temperature Performance ASTM D747

Hi-Visibility Specifications

DuraChem 200 meets the most stringent requirements of ANSI/ISEA 107-2015 as specified for Type R, Class 3, plus it is compliant with OSHA Roadside Emergency Response requirements. Does not apply to Navy fabric.



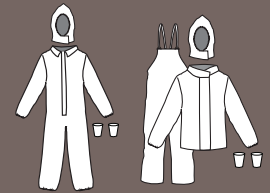
For test results visit kappler.com/products/d200 on your web browser or scan QR code at left.

Note: These tests were performed in accordance with ASTM or other appropriate testing methods by independent laboratories. This data is derived from tests performed on material samples only, not finished garments, with exception of Pyroman full-body manikin test. For a complete list of chemicals tested and additional tech data visit kappler.com.

WARNING: This information is based on technical data that Kappler believes to be reliable. It is subject to revision as additional knowledge and experience are gained. The website will contain Kappler's most up-to-date product information, and customers who receive pamphlets, brochures or other literature should be aware that such "hard copy" information may not be as current as the information on Kappler's website. Customers also should recognize that there are uses, environments and chemicals for which Kappler products, garments and/or fabrics are unsuitable. It is the responsibility of the user to review available data and verify that the product, garment and/or fabric is appropriate for the intended use and meets all specified government and/or industry standards. Also, the customer should review all available information on the website to understand the uses - and limitations - on ALL products, garments and fabrics which Kappler makes available. **CAUTION:** Do not use for fire protection. Avoid open flame or intense heat.

Durachem 200 contains PFAS. DuraChem 200 does not contain PFOA or PFOS chemistry.

DuraChem® 200



Shown above are typical garment types for this fabric. View available styles and details at kappler.com



Navy color (shown with optional reflective stripes) is often preferred for maintenance operations.



Kappler's unique SMART™ label makes sizing easy to see, and a quick QR code scan provides complete chemical data plus extensive suit details.

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