



How to Safely Add Logos to FR Multi-Norm Workwear

Ensuring Compliance, Safety, and
Certification Integrity



Introduction

Adding company branding to protective workwear is a common practice that enhances corporate identity and employee recognition. However, when it comes to flame resistant (FR) and multi-norm protective clothing, improper logo application can compromise the garment's protective performance and invalidate its certification.

This white paper outlines the correct procedures, standards, and approved materials for safely adding logos to FR multi-norm workwear, ensuring that protection and compliance are maintained.

1. Understanding Certification Requirements
2. Flame Resistant and Electric Arc Flash Clothing
3. High Visibility Clothing
4. Logos on Anti-Static Clothing
5. Best Practices for Compliance

1. Understanding Certification Requirements

Protective clothing is rigorously tested and certified under international standards to ensure safety in hazardous environments. Modifying garments after certification, such as by adding logos, can alter their protective properties.

Key Standards:



EN ISO 11612

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Protection against heat and flame



EN ISO 14116

EN ISO 14116

Flame spread resistance



IEC 61482-2

IEC 61482-2

Protection against electric arc



EN ISO 11611

EN ISO 11611

Protection for welding and allied processes

General Rule:

Logos or markings smaller than 10cm², whether heat-seal, sew-on, or embroidered, do not require additional flame-retardant testing. However, larger logos must meet stringent requirements to ensure continued compliance.

“Correctly sized, high quality logos on PPE aren't just about appearance; they protect brand integrity while ensuring garments remain compliant and fit for purpose.”

Sarah Shuttleworth
Senior Product Manager



2. Flame Resistant and Electric Arc Flash Clothing

When applying logos to FR or electric arc-rated garments, the size, type, and application method determine whether additional testing is necessary.

Clothing Supplied Directly by Portwest

Garments ordered with logos applied by Portwest are fully tested and certified to relevant FR standards. This guarantees both safety and compliance.

Heat-Seal Badges

Logos exceeding 10cm² must be tested and approved before application.

Portwest-approved heat seal options:

- Polygraphic Pro FR heat seals (sales@polygraphic.com)
FOR EU CUSTOMERS
- J&A Trimax heat seals (info@ja-int.co.uk)
FOR UK CUSTOMERS

Both are certified to EN ISO 14116 Index 3, allowing logos of any size.

Note: Always confirm with Portwest which garment fabrics have been approved for use with these heat seals.

Sew-On Badges

For logos larger than 10cm², the background fabric must also comply with EN ISO 14116 Index 3.

Embroidery

Embroidery larger than 10cm² must use flame-retardant thread to maintain FR protection.



EN ISO 20471

3. High Visibility Clothing

High visibility garments must retain a minimum fluorescent surface area to maintain certification. The visibility class of the garment directly depends on the fluorescent and reflective material proportions.

To avoid invalidating certification:

- Minimise logo coverage on fluorescent panels.
- Refer to the High Visibility Print Area Guide available on the Portwest.com before applying logos.

**EN 1149-5****4. Logos on Anti-Static Clothing**

Logos applied to anti-static garments require special consideration to maintain electrostatic dissipative performance.

- Logos wider than 5cm, larger than 100cm², or thicker than 2mm must be tested to EN 1149-5.
- Sew-on badges must be permanently attached as per standard requirements.
- Portwest fabrics with approved logos have been tested to EN 1149-5, ensuring combined FR and anti-static protection.

5. Best Practices for Compliance

- **Use Approved Suppliers**
Only use tested and certified logo materials from approved manufacturers.



- **Maintain Documentation**
Keep certification records for any additional logo testing or approval to demonstrate ongoing compliance.



- **Avoid DIY Applications**
Unverified heat transfers, embroidery threads, or patch fabrics can void certification and compromise wearer safety.

Conclusion

Branding your FR multi-norm workwear is possible without sacrificing safety, provided the correct materials and procedures are followed. By working with approved suppliers and adhering to the relevant standards, companies can maintain full protection and compliance while promoting their brand identity.