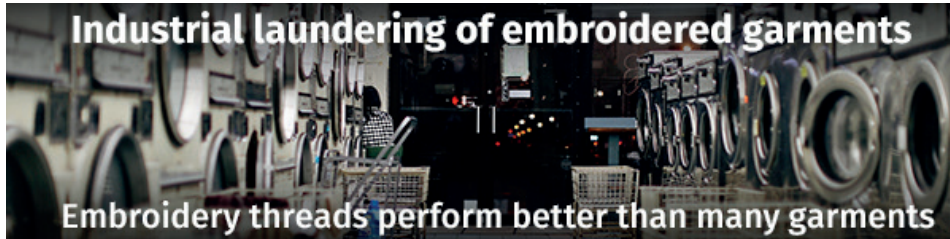




Professional workwear embroidery Part II – Harsh environments

Industrial laundering and fire-resistant workwear

In our second newsletter with a workwear focus, we will provide you with information on why it is of great value to choose certified threads for workwear embroidery and which types of yarn are available for garments that might be exposed to heat or flames.



Workwear is not only worn under heavy-duty conditions, but also needs to be washed at high temperatures, be bleached to get it cleaned of all sorts of staining or be tunnel finished. This puts a lot of stress on the fabric, and also on the applied embroidery. What can you do to master this challenge? Just rely on approved quality, such as the **EN ISO 15797 standard**.

What signifies suitability for industrial laundering and tunnel finishing?

Certified products are tested under the strict washing and finishing procedures of **EN ISO 15797**, simulating the harsh environments a workwear garment must withstand when it is washed and dried many times during its life cycle. Thirty wash and finishing cycles at high temperatures are conducted while adding detergent, optical brighteners, bleaching agents and rinse additives. To get the certification, there must be little or no changes to be found on the garment regarding fabric and colour appearance.



What does that mean for you?

When using a certified embroidery thread, you can be sure that it will endure washing and finishing throughout the product's life cycle and match your customer's requirements. Check the threads you are using for workwear for the **ISO 15797 label** or talk to us. **All our POLYNEON 40, 60 and 75 threads are tested and approved for industrial laundering.**



How to embroider on heat-exposed garments

If you want to embroider on any type of protective clothing needing flame-retardant or heat-resistant properties, please check first the exact regulation you have to meet. The highest quality is offered by flame-resistant embroidery threads tested to comply with **ISO 6941 / ISO 15025**, such as yarn made of aramid fibres. Flame-retardant yarns, e.g. special types of polyester, have to match **DIN EN ISO 11611 and 14116**. Always consider that embroidering directly the garment might destroy its function, so always make sure you are permitted to do so and have written approval from your customer.

