

Woven Emblems

Woven emblems are a striking product within the extensive range of Thermopatch. Available in various shapes, these emblems have a beautiful “look & feel” thanks to laser-cut technology and a raised, embroidered border. In addition, this emblem is both flexible and durable.

The colour palette of this type of emblem contains no less than 470 colors. Per design images of up to 8 different colours are possible. The result is a product with sharp details and a high quality appearance.

Woven emblems are available with two types of adhesive: for a high or low processing temperature.

Woven Emblems

Woven emblems (low temperature)	15 seconds 	140 + °C 	Pressure 0.5 kg / cm ² 	
Woven emblems (high temperature)	15 seconds 	160 + °C 	Pressure 0.5 kg / cm ² 	

For more detailed press instructions for Woven emblems on various fabrics, click [here](#).



Description

Woven emblems are manufactured of dyed polyester yarns with addition of metallized Lurex yarns certified according to Oeko-Tex® Standard 100, IW 00006.

Application

The woven emblems are an alternative to embroidered emblems, with high quality weaving and fine detail applicable to promotional wear, sportswear and workwear.

Properties

Woven polyester and Lurex emblems with polyurethane or polyamide heat seal adhesive.

Limitations of use

Emblems with low temperature glue applications are washable up to 40 °C colored home washing.
Emblems with high temperature glue applications are washable up to 60 °C industrial colored washing

Physical properties

- Color: various
- Color glue laminate: clear
- Sizes: various

Before sealing

Ensure that the to be marked textile is free of lint, dust, dirt and no seams, zipper, buttons etc. are near the place where the heat sealing will be performed.

Remark: Good bonding can be prevented in pre-conditioned fabrics with dwr (durable water repellent) or FR (flame retardant) coatings.

Heat seal instructions

- Woven Emblems are provided with a thermoplastic adhesive layer for adhesion to textile
- Woven emblems standard: 160 / 15 sec. / at 0.5 kg/cm²*, wash resistant up to 60°C
- Woven emblems low temp : 140 °C / 15 sec. / at 0.5 kg/cm²*, washable up to 40°C

() For an optimal heat sealing result we advise to set the pressure on any large platen pneumatic heat seal press to 3-5 bar on the pressure regulator of the machine, when using the standard issued lower plate. When using smaller lower plates, decrease pressure to avoid damage to the woven emblems.*

Handling and storage

Keep away from oxidising agents, from strongly alkaline and strongly acidic materials. Store in the original packing, out of direct sunlight, in a cool and dry place.

Storage temperature: - 20 °C - +115 °C.

Health and safety precautions

No specific safety measures are required when working with this product.

Exposure controls / personal protection

We advise to ventilate well at heat sealing activities, since vapours may occur from any textiles being processed.

Personal protection equipment:

- For the hands: None

- For the eyes: None
- For the skin: None
- For breathing: None

Hazards identification

The product has not been subjected to classification following the European legislation. Special hazards designation for humans and environment: not applicable.

Disclaimer

This information is based on the current state of our knowledge. It is however, no guarantee of product features and no contractual relationship.

Recommended restrictions apply

This product should not be used for purposes other than specified.

Woven emblems (LOW temp, up to 40 °C home wash)			
Type of fabric	Temp. °C	Pressing time in sec.	Pressure in Bar Low/Medium/High
Fleece, 100% Polyester	140	15	4.5 (Medium/High)
Polyurethane or PVC coated polyester (rainwear), cover with baking paper	140 Repress	15 15	4.5 (Medium/High)
Knitted fabrics, 100% polyester, viscose, acrylic (Sportswear, light workwear)	140	15	4.5 (Medium/High)
Knitted fabrics, 100% wool, cotton (Sportswear, light workwear)	140	15	4.5 (Medium/High)
Knitted fabrics, cotton or polyester with elastane 98%/2%	Preheat 140	10 15	4.5 (Medium/High)

Flame-retardant cotton or polyester cotton (FR treated, Proban®)	Preheat 140	10 15	4.5 (Medium/High)
Cotton/polyamide 55%/45%	Preheat 140	10 15	4.5 (Medium/High)
Cotton/polyester 65%/35% or 60%/40% (with DWR finish)*	140	15	4.5 (Medium/High)
Aramide/Viscose 50%/50%	140	15	4.5 (Medium/High)
Linen, 100%	140	15	4.5 (Medium/High)
Aramid (Nomex III), 100%	140	15	4.5 (Medium/High)
Polyamide (Nylon), 100% (with DWR finish)*	Preheat 140	10 15	4.5 (Medium/High)
Polyester 100% (with DWR finish)*	Preheat 140	10 15	4.5 (Medium/High)
Polyester Cleanroom material anti-static 99%/1%	Preheat 140	10 15	4.5 (Medium/High)

Woven emblems (HIGH temp, up to tot 60 °C home wash)			
Type of fabric	Temp. °C	Pressing time in sec.	Pressure in Bar Low/Medium/High
Fleece, 100% Polyester	160	15	4.5 (Medium/High)
Polyurethane or PVC coated polyester (rainwear), cover with baking paper	160 Repress	15	4.5 (Medium/High)
Knitted fabrics, 100% polyester, viscose, acrylic (Sportswear, light workwear)	160 Repress	15	4.5 (Medium/High)
Knitted fabrics, 100% wool, cotton (Sportswear, light workwear)	160 Repress	15	4.5 (Medium/High)
Knitted fabrics, cotton or polyester with elastane 98%/2%	160 Repress	15	4.5 (Medium/High)

Flame-retardant cotton or polyester cotton (FR treated, Proban®)	160	15	4.5 (Medium/High)
Cotton/polyamide 55%/45%	Preheat 160	10 15	4.5 (Medium/High)
Cotton/polyester 65%/35% or 60%/40% (with DWR finish)*	160	15	4.5 (Medium/High)
Aramid/Viscose 50%/50%	160	15	4.5 (Medium/High)
Linen, 100%	160	15	4.5 (Medium/High)
Aramid (Nomex III), 100%	160	15	4.5 (Medium/High)
Polyamide (Nylon), 100% (with DWR finish)*	Preheat 160	10 15	4.5 (Medium/High)
Polyester 100% (with DWR finish)*	Preheat 160	10 15	4.5 (Medium/High)
Polyester Cleanroom material anti-static 99%/1%	Preheat 160	10 15	4.5 (Medium/High)