



Backings and Toppings from Sotech Marketing Ltd

the Embroidery Supply Specialists

www.sotech.co.nz

Cutaway Backing (sew-in): Cutaway backing is the most commonly used backing and is suitable for most embroidery.

H/V Cutaway backing has a multi-directional grain. This means that it is stable in all directions and controls shrinkage during stitching. **H/V Cutaway** backing has a “soft hand” and is comfortable to wear next to the skin. Highly recommended for all knitwear, especially where writing needs to be held in place and remain *readable* for the life of the garment.

HV#9925 White and **HV#9925 Black** is a medium/heavy (85 g/m²) **cutaway** backing for general use and especially heavy stitch count cutaway applications. It frames extremely well with excellent stability during embroidery. Its soft feel against the skin makes it a good choice for many applications. It is easy to cut out in the embroidery frame. *Only one piece of backing is required.*

HV#9920 White is a medium (68 g/m²) **cutaway** backing for general use in cutaway applications. It frames extremely well with excellent stability during embroidery. Its soft feel against the skin makes it a good choice for many applications. It is easy to cut out in the embroidery frame. *Only one piece of backing is required.*

HV#9915 White is a medium/light (51 g/m²) **cutaway** backing for use in light weight applications. HV#9915 is a *cost effective* option with low to medium stitch count designs and is stable enough to compete favourably with more expensive products. *One piece of backing is usually enough.*

Tearaway Backing: Tearaway backing is used to save time. It is most useful on caps and other garments that are stable or on small low cost jobs. Tearaway backing pads up the fabric and improves stitching quality. Tearaway backing should not be used on a soft fabric where there are a number of parts to the embroidery. This type of application requires a cutaway backing so the design can be seen as a whole throughout the life of the garment.

#TS-55 Black tearaway/cutaway backing is a medium/light (55g/m²) universal backing. It has a multi-directional grain which means that it is stable in all directions. This backing has a “soft hand” and is comfortable to wear next to the skin and will not tear away while sewing. #TS-55 tears away with a soft edge and is firm enough to be cut away from sheer fabrics. *Only one piece of backing is required.*

HV Tearaway/washaway backing is a unique type of backing. It has a multi-directional grain which means that it is stable in all directions. Because the backing contains many short fibres it is highly resistant to perforating and tearing away while sewing and behaves more like a quality cutaway backing. After sewing, it tears away quite easily leaving a soft fluffy edge. The first time the garment is washed any pieces of backing left outside of the embroidery are washed away. The backing covered by the embroidery is unaffected by washing, with the stitching firmly locked, and keeps the embroidery looking good for the life of the garment.

HV#3020 White is a heavy (101g/m²) multi-purpose **tearaway/washaway** with superior stitch performance on high stitch count designs. It is highly recommended for use on 270° cap designs that extend around the sides of a cap. *Only one piece of backing is required.*

HV#2020 White is a medium/heavy (68 g/m²) multi-purpose **tearaway/washaway** with superior stitch performance on high stitch count designs. One layer of #2020 is often better than two layers of a regular tearaway. Because it is so stable it can often be used instead of a cutaway. *Only one piece of backing is required.*

Fusible/Iron-on Backing: Fusible backing is ironed or pressed on to the fabric to give a stable foundation for special applications.

#TR-100 (PG) White and **#TR-100B (PG) Black** is a heavy (100gm/m²) permanent **fusible backing**. #TR-100 has permanent glue and resists wrinkling when pressed giving a flat very firm finish. #TR-100 is highly recommended to stiffen material for badge/monogram manufacture.

#T-34 (PG) White and **#T-34B (PG) Black** is a light (34gm/m²) permanent **fusible backing**. #T-34 has permanent glue and resists wrinkling when pressed giving a flat finish.

#T-34 is recommended for fusing to applique fabric before sewing or cutting out.

Another use is in the finishing of pre-cut blank badges. Frame T-34 with the glue side up. Applique and embroider the blank badge to the backing with a satin stitch border and name or other. The badges can then be torn out and the furry edges singed off with a gas lighter ready for stitching or fused on to the garment.

#T-34 may also be used to firm up a fabric before sewing where the finished article is required to be stiffened.

Special purpose toppings and backings: **Sotech Marketing** stocks a number of special purpose products for every type of embroidery. Please ask for our help with difficult applications. If we do not stock the best product for your purpose we will source it for you.

BSN Heat-seal Film type H (household) and type J (commercial) is used for making badges/ monograms adhesive. After BSN is fused onto the back of the badge/monogram and the protective paper is removed. The badge/monogram may now be fused permanently onto the garment.

BSN may also be used when appliqueing pre-cut badges to a light fusible backing like #T-34. The BSN is framed under the TS-34 and the badges are torn out in the normal way.

Type J requires a higher fusing temperature and is suitable for garments that are washed in an industrial laundry.

Puffy is a topping used to raise the stitching for **3D embroidery**. Please ask for our information pack. Available in 6 colours. (We stock black and white)
Minimum order 10 sheets 40 x 30cm.

Toppings and backings that vanish: Top priced garments and fashion garments require a backing or topping that is fully removable. There are several products that meet this need in different ways.

Trick Film (0.5mm) is a plastic backing/topping with raised bumps on the side placed next to the fabric. Frame the fabric and backing in the normal way. The bumps help to stabilise the fabric while sewing. The backing is then torn away or hot peeled (melted away) with an iron or specialised hot plate. Trick Film is very popular in Japan. It is recommended for light garments where normal backing shows through, knitwear, lycra and embroidery over lace.

Hiselon is a light embossed plastic film backing/topping. Frame the fabric and backing in the normal way. After sewing tear away the backing. After the garment is washed in cold water the Hiselon disappears. Hiselon can be removed by first tearing away and then placing a moistened piece of backing over the embroidery and lightly pressing it with an iron. The Hiselon sticks to the backing and comes away.

Hiselon may also be used as a topping. Frame just the fabric and place Hiselon on top. Hiselon will keep the pile of terry cloth and other difficult fabrics down while embroidering.

Hiselon is recommended for knitwear, terry cloth, detailed fine embroidery that would otherwise sink into the cloth and any application where no residual backing is required.

Boslon WFL-50E is a heavy weight (50micron) embossed plastic film backing like Hiselon. Creative people embroider lacy designs directly onto Boslon. Boslon washes away in warm water.

Whisper Dissolve S4-05 is a medium/light (50g/m²) soft textured woven-like stable backing fabric. It makes embroidery easy even on sheer fabrics. Whisper Dissolve washes away in hot water at 40 degrees C. (Straight from the hot tap will usually work.)

Whisper Dissolve is recommended for knitwear, stretchy garments where backing will interfere with the fit and any top priced garment where a backing is considered a disadvantage. Whisper Dissolve is more cost effective than Thermogaze.

Thermogaze is a heavy very firm woven backing. Thermogaze can be used for even high stitch count designs. After sewing the backing is heated with an iron or press. Thermogaze disintegrates at between 120°C and 180° in approximately 15 seconds and the material is brushed off as powder. This is the easiest vanishing backing to use. It is possible to create an embroidery with a special digitizing technique and sew it straight onto Thermogaze. After pressing, all the embroidery pieces are cut out including holes.

Thermogaze is recommended for knitwear, etched embroidery (cut-out with holes), stretchy garments where backing will interfere with the fit and any top priced garment where a backing is considered a disadvantage.