

Embroidering with PUFFY - 3D Embroidery

- Satin stitch embroidery designs can be embroidered three-dimensionally **WITHOUT** underlay.

Material:
PE foam (Polyethylene)

Available in 2 thicknesses:

- PE20 (available in white and black), soft , appropriate for outer clothing
- PE10 (available in white and black), harder, appropriate for cap and emblem embroidery

Areas of application:

Satin stitches of up to 12mm width, **no** filling stitches (backstitches) which destroy the 3D effect.

Stitch density:

For PE20 set the density higher by approx. 40% to 60% than for normal embroideries.

For PE10 set the density to 2 (0.2) → standard

Reference sample:

Round off tapered corners so that a neat embroidery result will be achieved.

Needle:

Use a needle with SES point, as this perforates PUFFY in a better way than a needle with sharp point.

Should the 3D effect even be stronger, it is possible to put 2 layers of PUFFY on top of each other. Fix it with adhesive spray if necessary in order to avoid slipping.

To embroider caps in cap frames use a slightly bigger piece of PUFFY which avoids slipping.

TIP:

Embroider the letters on caps three-dimensionally, but first back them with filling stitches in the colour of the cap. The letter will have a neater look.

Punching:

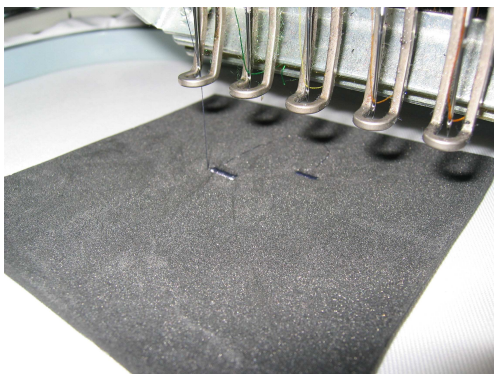
- Adjust density to the corresponding PUFFY
- Underlay stitches are **not** necessary. Stitching a line with short backstitches along the outline can support the perforation of PUFFY.
- In case of closed outlines (e.g. circle) punch overlapping so that PUFFY will not penetrate and cause gaps.
- With open ends of a satin stitch (e.g. the letter L) always punch a line of short backstitches or a satin stitch rotated by 90° towards stitch direction of the satin stitch for better perforation.
- Punch the rotated satin stitch with irregular border on the inside so that PUFFY will not be perforated there.

Embroidery instructions:

1. Embroider sequences without 3D effect. Stop machine (included in the punch programme)



2. Put PUFFY in place, fix with little adhesive spray if necessary (e.g. caps)



column stitches rotated by 90° to support the perforation.

2. After completion of the embroidery sequence (STOP), remove PUFFY and continue to embroider.



3. Put PUFFY in place for the next 3D sequence.



4. After completion of the embroidery sequence (STOP) remove PUFFY.



→ small PUFFY rests can be removed by hand or using a needle.

RESULT:



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