

Stabilisers

Novelties, backing selector, product range

MADEIRA

Backings, toppings & speciality materials for embroidery

NEW!

E-ZEE Green Cut made from recycled polyester



THE RIGHT STABILISER FOR THE BEST RESULT

Each fabric has its own specific characteristics, such as thickness, strength, stiffness and stretchability, all of which can affect the embroidery process and the finished design. The function of an embroidery stabiliser is to cancel out the fabric's more unfavourable properties. Stabilisers ensure distortion-free embroideries, sharp outlines and smooth fill areas. They also guarantee a seamless embroidery process and prevent wrinkling. We offer a carefully selected range of backings, films and speciality materials to help you find the best possible solution for your needs.

With this brochure you will receive:

- All new backings at a glance
- Our selector to find the ideal stabiliser for (almost) every fabric
- An overview of all Madeira embroidery backings
- A summary of all embroidery toppings (films) and specialty materials

Find further information at:

<https://madeira.com/stabilisers>



NEW TO OUR RANGE!



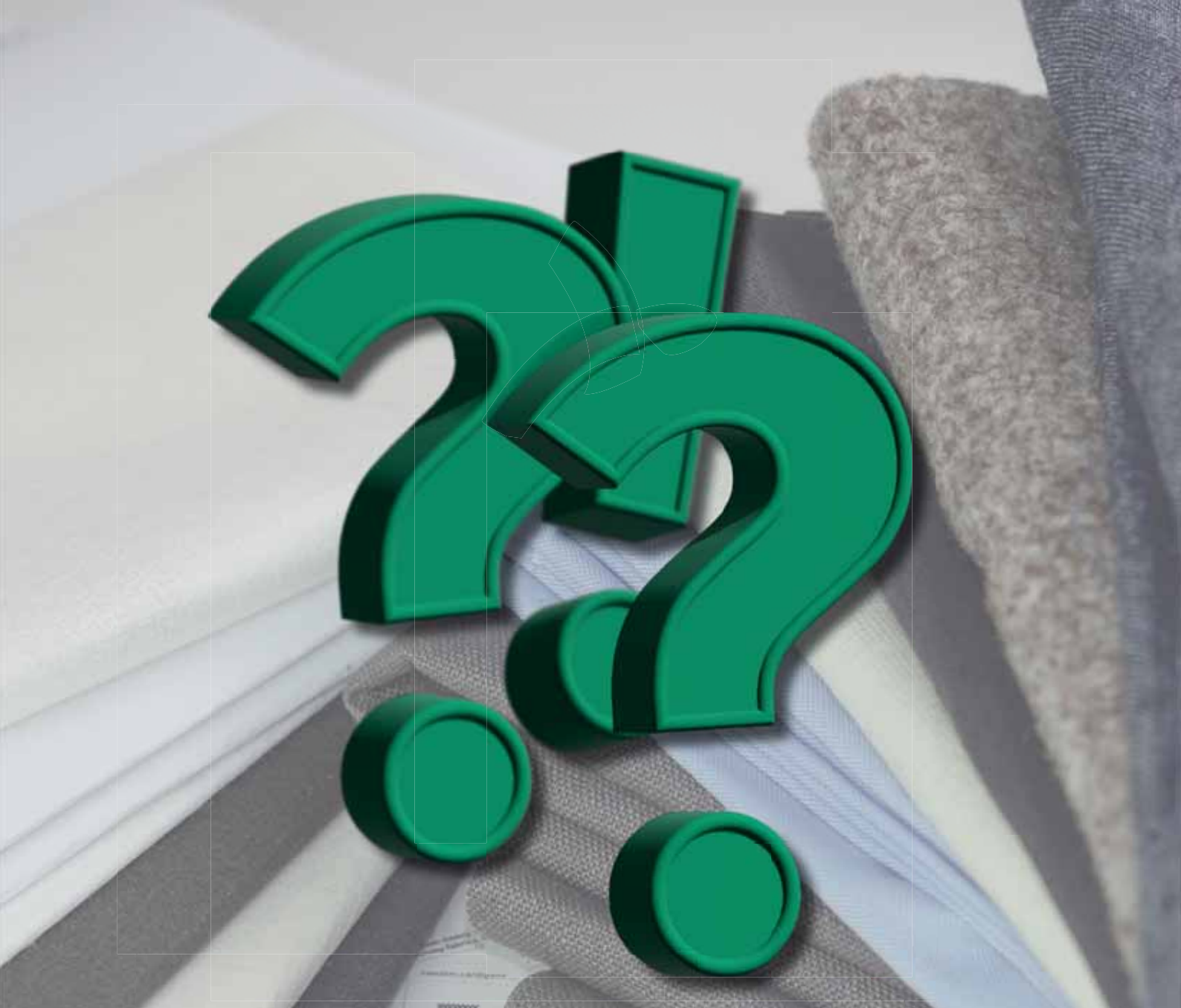
E-Zee Cut green



E-ZEE Green Cut is our new responsibly produced, cut-away backing made from 100% recycled polyester (rPES). The use of rPES from post-consumer PET bottles prevents new waste and reduces energy consumption, compared to conventional oil-based fibre. Available on rolls in two weight options and three widths, E-ZEE Green Cut is suitable for most standard embroidery hoop sizes and a great choice for the environmentally conscious embroiderer.



More information about E-ZEE Green Cut on page 8.



Without suitable stabilisation, the base material will pucker and wrinkle. For smooth and distortion-free embroidery results, you should always use a suitable backing.



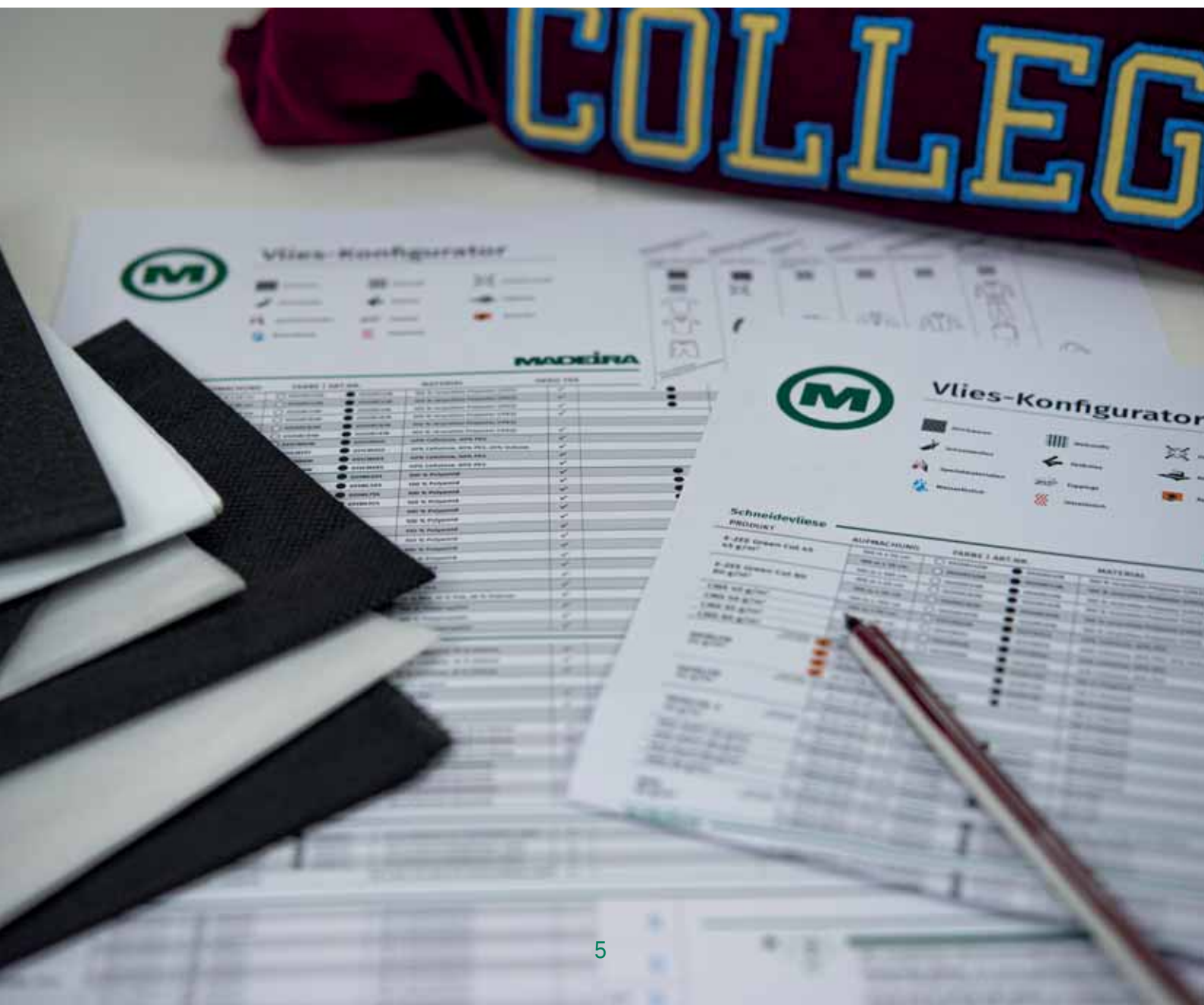
THE SELECTOR:

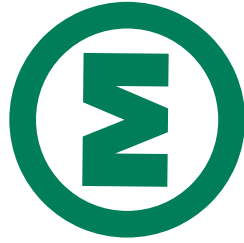
All Madeira stabilisers at a glance

Do you want to know how to find the right stabiliser for the large number of various fabrics, each with different properties?

We will make your work easier with our newly developed backing overview. Find your ideal backing or topping based on the fabric, application, weight or purpose.

With the Madeira selector, this only takes a few minutes!





Backing selector









Cut-away backings

MADEIRA

PRODUCT	MAKE-UP	COLOUR ART.NO.	MATERIAL	OEKO-TEX
E-ZEE Green Cut 45 45 g/m ²	100 m x 20 cm	052GRC42W ● 052GRC42B	100% recycled polyester (rPES)	✓
	100 m x 30 cm	052GRC43W ● 052GRC43B	100% recycled polyester (rPES)	✓
	100 m x 100 cm	052GRC41W ● 052GRC41B	100% recycled polyester (rPES)	✓
E-ZEE Green Cut 80 80 g/m ²	100 m x 20 cm	052GRC32W ● 052GRC32B	100% recycled polyester (rPES)	✓
	100 m x 30 cm	052GRC33W ● 052GRC33B	100% recycled polyester (rPES)	✓
	100 m x 100 cm	052GRC31W ● 052GRC31B	100% recycled polyester (rPES)	✓
CMX 40 g/m ²	100 m x 90 cm	051CMX4W ● 051CMX4S	40% cellulose, 60% PES	✓
CMX 50 g/m ²	100 m x 90 cm	051CMX5L ● 051CMX50	20% cellulose, 60% PES, 20% viscose	✓
CMX 65 g/m ²	100 m x 90 cm	051CMX6W ● 051CMX6S	40% cellulose, 60% PES	✓
CMX 80 g/m ²	100 m x 90 cm	051CMX8W ● 051CMX8S	40% cellulose, 60% PES	✓
WEBLON 34 g/m ²	Pre-Cut 250 pc./pack 20 cm x 20 cm	051WL20S ● 051WL20S	100% polyamide	✓
	45 m x 50 cm	051WL50S ● 051WL50S	100% polyamide	✓
	45 m x 75 cm	051WL75S ● 051WL75S	100% polyamide	✓
WEBLON 44 g/m ²	Pre-Cut 250 pc./pack 200 m x 94 cm	051WL92W ● 051WL92S	100% polyamide	✓
	20 cm x 20 cm	051WL20W ● 051WL20W	100% polyamide	✓
	45 m x 50 cm	051WL50W ● 051WL50W	100% polyamide	✓
WEBLON + 55 g/m ²	45 m x 75 cm	051WL75W ● 051WL75W	100% polyamide	✓
	Pre-Cut 250 pc./pack 20 cm x 20 cm	051WP52W ● 051WP52S	100% polyamide	✓
	38 cm x 38 cm	051WP54W ● 051WP54S	100% polyamide	✓
PES SOFT 80 g/m ²	100 m x 90 cm	051WP59W ● 051WP59S	100% polyamide	✓
	100 m x 90 cm	051PS89W ● 051PS89S	100 % PES	✓
PES Hard 80 g/m ²	100 m x 90 cm	051PH89W ● 051PH89S	100 % PES	✓
	100 m x 90 cm	051SMX8W ● 051SMX8W	55% PES, 15% PVA, 30% viscose	✓
SMX 80 g/m ²	23 cm x 23 cm	051WB52W ● 051WB52S	100% polypropylene	✓
WEB 50 g/m ²	Pre-Cut 250 pc./pack 38 cm x 38 cm	051WB54W ● 051WB54S	100% polypropylene	✓
	200 m x 90 cm	051WB59W ● 051WB59S	100% polypropylene	✓









Tear-away backings

CMX 35 g/m²	200 m x 90 cm	○ 051CMX3W	● 051CMX3S	80% cellulose, 20% viscose	✓				●				
CMX 50 g/m²	Pre-Cut 250 pc./pack	200 m x 90 cm	○ 051CMX5W	● 051CMX5S	80% cellulose, 20% viscose	✓			●				
CMX 75 g/m²	100 m x 90 cm	○ 051CMX7W	● 051CMX7S	70% cellulose, 30% viscose	✓					●			
CAPS 76 g/m²	10 cm x 30 cm	○ 051QC71W		100 % PES	✓							●	
	100 m x 10 cm	○ 051RC71W		100 % PES	✓							●	
SQUARES 40 g/m²	Pre-Cut 250 pc./pack	20 cm x 20 cm	○ 051QV42W	● 051QV42S	100% viscose							●	2 Lagen
SMX 35 g/m²	200 m x 90 cm	○ 051SMX3W		55% PES, 15% PVA, 30% viscose	✓				●				
SMX 42 g/m²	200 m x 90 cm	○ 051SMX4W		55% PES, 15% PVA, 30% viscose	✓				●				
SMX 50 g/m²	200 m x 90 cm	○ 051SMX5W		55% PES, 15% PVA, 30% viscose	✓					●			
COTTON SOFT 50 g/m²	200 m x 90 cm	○ 051CS59W	● 051CS59S	100% recycled cotton					●				
	6 x 50 m x 30 cm	○ 051CS53W	● 051CS53S	100% recycled cotton					●				
COTTON SOFT 60 g/m²	200 m x 90 cm	○ 051CS69W	● 051CS69S	100% recycled cotton								●	
COTTON SOFT 80 g/m²	200 m x 90 cm	○ 051CS89W	● 051CS89S	100% recycled cotton								●	

Fusible backings

CMX 48 g/m²	200 m x 90 cm	○ 051CMF4W	● 051CMF4S	80% cellulose, 20% PES (glue: LDPE)	✓				●				
WEBLON + 70 g/m²	Pre-Cut 250 pc./pack	20 cm x 20 cm	○ 051WF72W	● 051WF72S	100% polyamide (glue: LDPE)	✓			●				
	38 cm x 38 cm	○ 051WF74W	● 051WF74S	100% polyamide (glue: LDPE)	✓				●				
SMX 70 g/m²	100 m x 90 cm	○ 051SMF7W		55% PES, 15% PVA, 30% viscose (glue: LDPE)	✓							●	Abzeichnen

Toppings

AVALON, 20 µ	100 m x 20 cm	○ 035AVA20		100% polyvinyl alcohol						🔥	
	100 m x 50 cm	○ 035AVA50		100% polyvinyl alcohol							
	100 m x 100 cm	○ 035AVA		100% polyvinyl alcohol							
AVALON STRONG, 35 µ	100 m x 20 cm	○ 035AVS21		100% polyvinyl alcohol						🔥	
	100 m x 50 cm	○ 035AVS51		100% polyvinyl alcohol							
	100 m x 100 cm	○ 035AVS11		100% polyvinyl alcohol							
AVALON ULTRA, 90 µ	50 m x 50 cm	○ 035AVU55		100% polyvinyl alcohol						🔥	
Water-soluble	50 m x 100 cm	○ 035AVU15		100% polyvinyl alcohol						🔥	

Speciality materials

FIRE FIGHTER 55 g/m²	50 m x 100 cm	● 051FF5L5		50% aramide, 50% melamine resin	✓	🧥	
Cut-away backing	50 m x 20 cm	● 051FF525		100% aramide	✓	🧥	
STICK ON 50 g/m²	50 m x 75 cm	○ 051SV75W	● 051SV75S	100% viscose, acrylic glue		🔥	
Tear-away backing / one-sided adhesive	100 m x 75 cm	○ 051SV57W	● 051SV71S	100% viscose, acrylic glue			
	50 m x 75 cm	○ 051SL75W		100% viscose, acrylic glue			
STICK ON LIGHT 50 g/m²	100 m x 75 cm	○ 051SL71W		100% viscose, acrylic glue			
Tear-away backing / one-sided adhesive	100 m x 20 cm	○ 035PLU52		100% polyvinyl alcohol	✓	🔥	
AVALON PLUS, 300 µ	100 m x 50 cm	○ 035PLU55		100% polyvinyl alcohol	✓	🔥	
Water-soluble	100 m x 100 cm	○ 035PLU51		100% polyvinyl alcohol	✓		
MadeirAS, 30 µ	100 m x 50 cm	○ 035AS5L3		100% polyolefin		🔥 110 °C	
Heat-soluble	200 m x 100 cm	○ 035AS123		100% polyolefin			
	100 m x 50 cm	○ 035AS51B		100% polyolefin		🔥 110 °C	
MadeirAS, 100 µ	100 m x 100 cm	○ 035AS11B		100% polyolefin			
Heat-soluble	30 cm x 40 cm	○ 035B010W	● 035B010B	100% ethylene vinyl acetate			
BODY BUILDER, 3 mm	30 cm x 40 cm	○ 035BH10W	● 035BH10B	100% ethylene vinyl acetate			
BODY BUILDER HARD, 3 mm	50 m x 20 cm	○ 035H1L25		100% copolyamide, silicon paper			
HEAT SEAL 100 g/m²	50 m x 50 cm	○ 035H1L55		100% copolyamide, silicon paper			
COMFORT WEAR 40 g/m²	100 m x 50 cm	○ 051CW50W	● 051CW50S	100% polyester, polyamide iron-on coating	✓		



- We recommend using only one layer of backing

- Adhesive backings: To achieve optimal results, always test before production, taking the care instructions of the fabric into consideration.

- STICK ON & STICK ON LIGHT: for textiles or precuts that can or should not be hooped (corduroy fabrics, velvet, suede fabrics ...).



Fusible backings



Ironing temperature



150 - 160 °C



Heat press



150 - 160 °C
4-6 sec.
0-2 bar



Pressure: For **CMX** and **SMX**, always use light pressure to ensure that no adhesive remains on the fabric when the fusible backing is removed.

Fabrics and fabric finishes affect the adhesive performance of fusible backings. For this reason, we recommend that you always carry out a test before starting production. By changing the variables of temperature, pressure, time and steam, the fusing result can be controlled. Care instructions for the fabric must be followed



STABILISING THE EMBROIDERY FABRIC FOR OUTSTANDING QUALITY

Most fabrics and embroideries benefit greatly from the use of the right embroidery stabiliser. This can be a backing and/or a topping. Most importantly, it should be perfectly adapted to the fabric and the kind of embroidery you want to do. That's why we offer a comprehensive choice of embroidery backings, toppings and special application materials and support you in finding the solution best suited to your needs.



E-ZEE GREEN EMBROIDERY BACKING

When it comes to creating a responsibly produced embroidery, the backing is an important factor to consider. Our sustainable E-ZEE Green Cut backing is the latest addition to the Madeira Green product line. Made from resource-saving rPES (100% recycled polyester), it brings you one step closer to creating a fully eco-friendly embroidery.

Embroidery backings

For soft and distortion-free embroidery results



Cut-away backings

Permanent stabilisation for delicate embroidery and fabrics.

E-ZEE Green Cut

45g/ 80g: 100% recycled polyester (rPES)



Make-ups:

- 100 m x 20 cm
- 100 m x 30 cm
- 100 m x 100 cm

- For medium to heavy woven or knit fabrics like softshell, business wear, work overalls, denim, bags, sweaters or heavy knit cardigans
- 100% recycled polyester
- Reduce production set-up time with pre-cut narrow rolls



CMX

40g/ 65g/ 80g/: 40% cellulose, 60% polyester
50g: 20% cellulose, 60% polyester, 20% viscose



Make-ups:

- 100 m x 90 cm

- For light, medium and heavy woven materials, such as shirts, silk, denim or children's clothing
- Available on rolls
- High-quality premium backings with viscose
- OEKO-TEX certified





WEBLON

34g/ 44g: 100% polyamide



Make-ups:

- 20 cm x 20 cm 
- 45 m x 50 cm 
- 200 m x 94 cm 

- For fine stretchy fabrics & knitwear/lightweight fabrics
- Available on rolls or as pre-cuts
- „Invisible“ soft and heat-resistant backing made of 100% polyamide



WEBLON+

55g: 100% polyamide



Make-ups:

- 20 cm x 20 cm 
- 38 cm x 38 cm 
- 100 m x 90 cm 

- For medium to heavy elastic/stretchy fabrics/ knitwear, medium-weight (elastic) woven fabrics such as sweatshirts, functional wear & fleece
- Available on rolls for conventional hooping or as pre-cuts
- Soft, stable and „invisible“ premium backing for special requirements.
- Heat resistant up to 260 °C



PES SOFT

40g/ 80g: 100% polyester



Make-ups:

- 200 m x 90 cm 
- 100 m x 90 cm 

- For fine elastic/stretchy fabrics & knitwear, as well as light medium/ elastic woven fabrics
- Available on rolls
- The soft polyester alternative for all 40 g and 80 g backing variations



PES soft 40g/m² will be discontinued. Available while stocks last.

Please check this alternative: E-ZEE Green Cut 45

PES HARD

80g: 100% polyester



Make-ups:

- 100 m x 90 cm 

- For heavy woven materials and caps
- Available in rolls
- Heavier polyester backing, also suitable for cap embroidery



SMX

80g: 55% polyester, 15% polyvinylacetate, 30% viscose



Make-ups:

- 100 m x 90 cm 

- Standard cut-away backing for your everyday work
- Can be used for stable and heavy fabrics, as well as for caps
- Great for workwear and denim fabrics



WEB

50g: 100% polypropylene



Make-ups:

- 23 cm x 23 cm 
- 38 cm x 38 cm 
- 200 m x 90 cm 

- For fine elastic/stretchy fabrics and knitwear
- Available on rolls or as pre-cuts
- Polypropylene backing for easy and uncomplicated embroidering
- Maximum ironing temperature 110 °C





Tear-away backings

For fast, multidirectional and residue-free tearing off.

CMX

35g/ 50g/ 75g: 80% cellulose, 20% viscose



Make-ups:

200 m x 90 cm 
100 m x 90 cm 

- For light, medium and heavy woven materials, such as shirts, silk, denim or children's clothing
- Available on rolls
- Regular, short-fibre backing structure with viscose component
- OEKO-TEX certified



SMX

35g/ 42g/ 50g: 55% polyester, 15% polyvinylacetate, 30% viscose



Make-ups:

200 m x 90 cm 

- For light, medium and heavy woven fabrics, as well as caps
- Available on rolls
- Classic multifunctional backing with viscose



CAPS (SQUARES & ROLLS)

76g: 100% polyester



Make-ups:

10 cm x 30 cm 
100 m x 10 cm 

- Specifically for embroidery on caps
- Available on rolls or as pre-cuts
- Polyester backings for best results on caps



SQUARES

40g: 100% viscose



Make-ups:

20 cm x 20 cm 

- For light woven fabrics, two-ply for caps
- Available as pre-cuts



EASY TEAR

50g: 100% viscose

Easy Tear will be discontinued.
Available while stocks last.
Please check this alternative:
CMX 50 (tear-away)

- For light and medium-weight fabrics
- Easy to remove & especially suitable for small embroideries



COTTON SOFT

50g/ 60g/ 80g: 100% recycled cotton



Make-ups:

200 m x 90 cm 
100 m x 90 cm 
6 x 50 m x 30 cm 

- For light, medium and heavy woven fabrics, as well as caps
- Available on rolls and pre-cuts (COTTON SOFT SIXPACKS)
- Reliable and inexpensive cotton backing





Fusible backings

Fusible backings perfectly match with any fabric you can't frame without distortion. The bonding side is activated when ironed and allows you to stabilise the fabric before framing. Available as tear-away and cut-away backings in different weights and qualities.

CMX

48g: 80% cellulose, 20% polyester, glue: LDPE



Make-ups:
200 m x 90 cm 

- For light and elastic woven garments: light business shirts, blouses & textiles made of silk or acetate
- Available on rolls
- Especially suitable for materials that cannot be hooped or embroidered without puckering
- To be ironed on at 130 °C



WEBLON+

70g: 100% polyamide, glue: LDPE



Make-ups:
20 cm x 20 cm 
38 cm x 38 cm 

- For medium to heavy elastic/stretchy fabrics/knitwear, medium-weight (elastic) woven fabrics
- Available on rolls for conventional hooping or as pre-cuts
- Soft, stable and „invisible“ premium backing that stabilises permanently.
- Heat resistant up to 260 °C



SMX

70g: 55% polyester, 15% polyvinylacetate, 30% viscose, glue: LDPE



Make-ups:
100 m x 900 cm 

- For medium-weight and elastic woven garments, functional workwear and badges
- Available on rolls
- Especially suitable for materials that cannot be hooped or embroidered without puckering
- To be ironed on from 150 °C to max. 200 °C



TOPPINGS AND SPECIALITY MATERIALS

Our range of toppings and speciality materials for embroidery includes water-soluble films, 3D foams, soft inlays and adhesive films to help you realise your designs on a variety of challenging materials and garments.



Toppings

 keep your embroidery in shape.

Films not only prevent individual design elements from sinking into knitwear or terry, but also prevent the base material from showing through. They can be easily removed with water or heat, leaving no residue.

AVALON

20 microns: 100% polyvinyl alcohol



Make-ups:
100 m x 20 cm
100 m x 50 cm
100 m x 100 cm

- Improves embroidery on knits and terry
- Prevents the thread from sinking into the fabric
- For a smoother, firmer surface during embroidery



AVALON STRONG

35 microns: 100% polyvinyl alcohol



Make-ups:
100 m x 20 cm
100 m x 50 cm
100 m x 100 cm

- Special film for lacework
- For very textured surfaces such as corduroy and where Avalon 20 mic is too thin
- Can be used in several layers if required



AVALON ULTRA

90 microns: 100% polyvinyl alcohol



Make-ups:
50 m x 50 cm
50 m x 100 cm

- Watersoluble film for lace embroidery and temperature sensitiv materials
- Additional support for filigree embroidery





Speciality materials

From fire-resistant and adhesive backings to special application films, 3D foam and inlays. Discover our selection of specialty materials for embroidery.

E-ZEE FIRE FIGHTER

55g: 50% aramide, 50% melamine resin | 20cm x 50m: 100% aramide



- Heat-resistant aramide-melamine resin cut-away backing for flame resistant protective clothing and workwear
- Available in two make-ups in the material's natural yellow colour
- Breathable, tear proof and dimensionally stable

Make-ups:

- 50 m x 100 cm
- 50 m x 20 cm



STANDARD 100
06.0.62534
Hohenstein HTTI

only 50 m x 20 cm version



STICK ON

50g: 100% viscose, glue: acrylic glue



- For medium and heavy elastic/stretchy fabrics and knitwear, as well as medium-weight woven fabrics
- Available on rolls
- One-sided adhesive backing in black & white

Make-ups:

- 50 m x 75 cm
- 100 m x 75 cm



STICK ON LIGHT

50g: 100% viscose, glue: acrylic glue



- For medium and heavy elastic/stretchy fabrics and knitwear, as well as medium heavy textiles
- Available on rolls
- One-sided adhesive backing in white

Make-ups:

- 50 m x 75 cm
- 100 m x 75 cm



AVALON PLUS

300 microns: 100% polyvinyl alcohol



- Thick foil backing with non woven/textile-like structure
- Non-slip
- Ideal as fully removable backing substitute for clean back sides of embroideries

Make-ups:

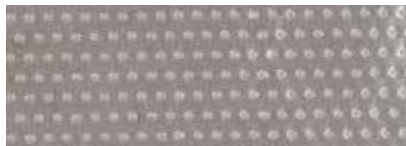
- 100 m x 20 cm
- 100 m x 50 cm
- 100 m x 100 m



STANDARD 100
06.0.62534
Hohenstein HTTI

MadeirAS 30

30 microns: 100% polyolefin



- For fine and elastic base materials
- Alternative to using backings

Make-ups:

- 100 m x 50 cm
- 200 m x 100 cm



MadeirAS films can be removed with a heat press or an iron. Maximum ironing temperature 110 °C.

MadeirAS 100

100 microns: 100% polyolefin



Make-ups:
100 m x 50 cm
100 m x 100 cm

- For patches and badges
- Double-layered for clean embroidery edges



Soft 3D embroidery foam – BODYBUILDER SOFT

3mm: ethylene vinyl acetate



Make-ups:
30 cm x 40 cm 

- For extra 3D volume
- Can be used in multiple layers
- For effects on caps, bags, outdoor wear and other garments
- For soft corners and clean embroidery edges



Hard 3D embroidery foam – BODYBUILDER HARD

3mm: ethylene vinyl acetate



Make-ups:
30 cm x 40 cm 

- For 3D embroidery with sharp-edged contours and reliefs
- Can be used in multiple layers
- For special effects on caps
- Can be partially or completely overstitched



Adhesive film – E-ZEE HEAT SEAL

Fusible version, 100g: 100% copolyamide, silicon paper



Make-ups:
50 m x 20 cm 
50 m x 50 cm 

- Heat-activated adhesive foil for attaching badges to garments.
- Washable at 40°C



Fusible embroidery inlay – E-ZEE COMFORT WEAR

40g: 100% polyester, polyamide iron-on coating



Make-ups:
100 m x 50 cm 

- Jersey inlay to cover the back of the embroidery
- High next-to-skin comfort thanks to its bi-elastic properties
- Protects the skin





LECTOR

★ Basic

★ Stretchy

★ Fusible backings

★ Bestseller



Madeira – Your partner for high quality embroidery threads, stabilisers and accessories for the production of industrial machine embroidery. Whether you are in a specific industry or want to create intelligent textiles with conductive threads: We can help you with everything, from individual advice to expertise and troubleshooting.

Get in touch with us!

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