

# 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!



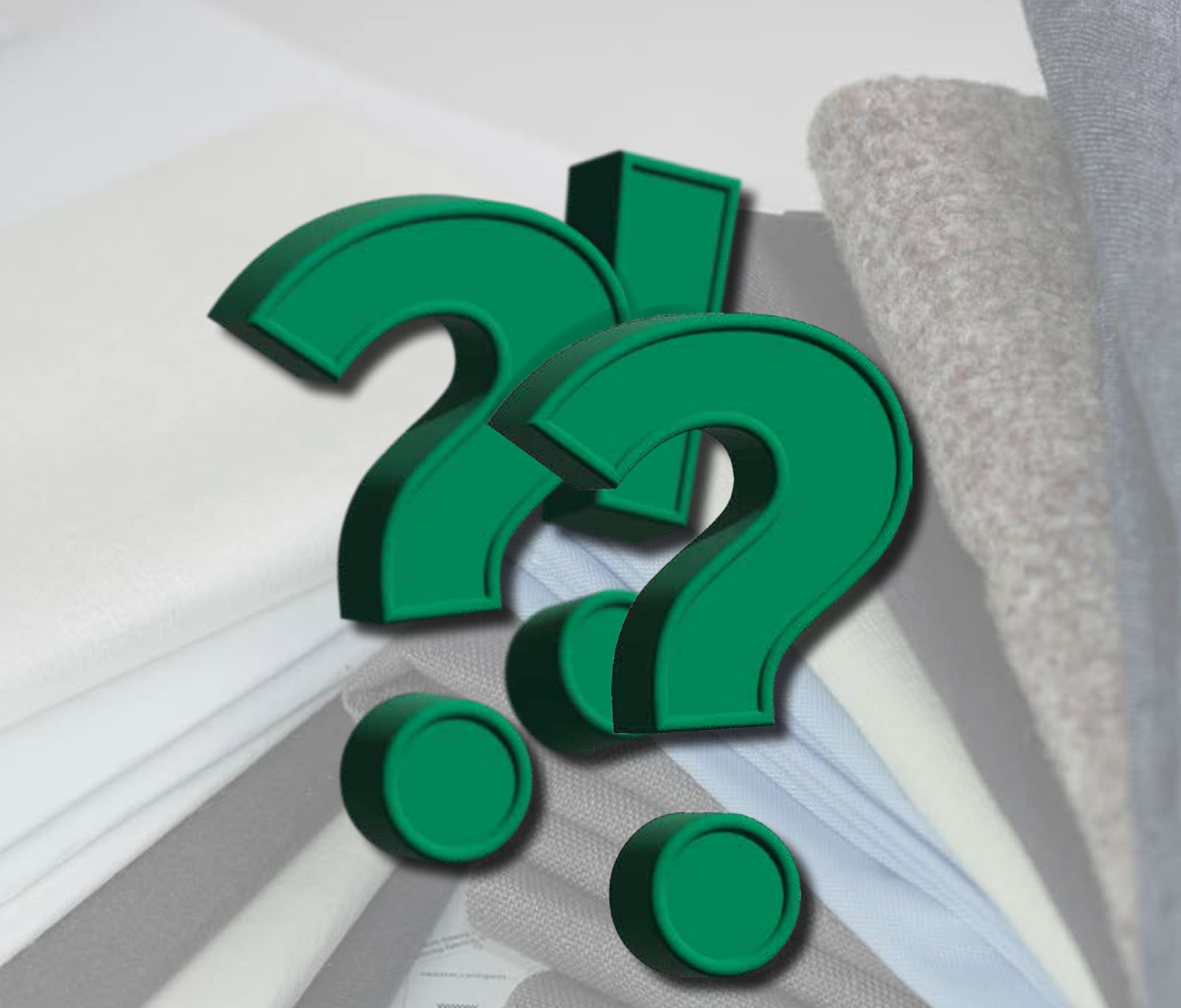
## E-Zee Cut green



**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

 Knitwear
  Woven fabrics
  Stretchy fabrics

 Cut-away backings
  Tear-away backings
  Fusible backings


 Specialty materials
  Toppings
  Bestseller


 Water-soluble
  Heat-soluble

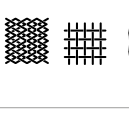



## Cut-away backings

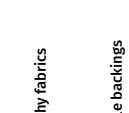
PRODUCT	MAKE-UP	COLOUR   ART.NO.	MATERIAL	OEKO-TEX	GRS
E-ZEE Green Cut 45 45 g/m <sup>2</sup>	100 m x 20 cm	<input type="radio"/> 052GRC42W ● 052GRC42B	100% polyester [recycled]	✓	✓
	100 m x 30 cm	<input type="radio"/> 052GRC43W ● 052GRC43B	100% polyester [recycled]	✓	✓
	100 m x 100 cm	<input type="radio"/> 052GRC41W ● 052GRC41B	100% polyester [recycled]	✓	✓
	100 m x 20 cm	<input type="radio"/> 052GRC82W ● 052GRC82B	100% polyester [recycled]	✓	✓
E-ZEE Green Cut 80 80 g/m <sup>2</sup>	100 m x 30 cm	<input type="radio"/> 052GRC83W ● 052GRC83B	100% polyester [recycled]	✓	✓
	100 m x 100 cm	<input type="radio"/> 052GRC81W ● 052GRC81B	100% polyester [recycled]	✓	✓
	100 m x 90 cm	<input type="radio"/> 052GRC44W ● 052GRC44B	60% polyester, 40% wood pulp	✓	✓
	100 m x 90 cm	<input type="radio"/> 052GRC45W ● 052GRC45B	60% polyester, 20% wood pulp, 20% viscose	✓	✓
CMX 40 g/m <sup>2</sup>	100 m x 90 cm	<input type="radio"/> 051CMX4W ● 051CMX4B	60% polyester, 40% wood pulp	✓	✓
	100 m x 90 cm	<input type="radio"/> 051CMX5W ● 051CMX5B	60% polyester, 40% wood pulp	✓	✓
	100 m x 90 cm	<input type="radio"/> 051CMX6W ● 051CMX6B	60% polyester, 40% wood pulp	✓	✓
	100 m x 90 cm	<input type="radio"/> 051CMX8W ● 051CMX8B	60% polyester, 40% wood pulp	✓	✓
WEBLON 34 g/m <sup>2</sup>	20 cm x 20 cm	<input type="radio"/> 051WL20S ● 051WL20B	100% polyamide	✓	✓
	45 m x 50 cm	<input type="radio"/> 051WL50S ● 051WL50B	100% polyamide	✓	✓
	45 m x 75 cm	<input type="radio"/> 051WL75S ● 051WL75B	100% polyamide	✓	✓
	200 m x 94 cm	<input type="radio"/> 051WL92W ● 051WL92B	100% polyamide	✓	✓
WEBLON 44 g/m <sup>2</sup>	20 cm x 20 cm	<input type="radio"/> 051WL20W ● 051WL20B	100% polyamide	✓	✓
	45 m x 50 cm	<input type="radio"/> 051WL50W ● 051WL50B	100% polyamide	✓	✓
	45 m x 75 cm	<input type="radio"/> 051WL75W ● 051WL75B	100% polyamide	✓	✓
	20 cm x 20 cm	<input type="radio"/> 051WP52W ● 051WP52B	100% polyamide	✓	✓
WEBLON + 55 g/m <sup>2</sup>	38 cm x 38 cm	<input type="radio"/> 051WP54W ● 051WP54B	100% polyamide	✓	✓
	100 m x 90 cm	<input type="radio"/> 051WP59W ● 051WP59B	100% polyamide	✓	✓
	100 m x 90 cm	<input type="radio"/> 051PS89W ● 051PS89B	100% polyester	✓	✓
	100 m x 90 cm	<input type="radio"/> 051PH89W ● 051PH89B	100% polyester	✓	✓
SMX 80 g/m <sup>2</sup>	100 m x 90 cm	<input type="radio"/> 051SMX8W ● 051SMX8B	55% polyester, 30% viscose, 15% vinylal	✓	✓
	23 cm x 23 cm	<input type="radio"/> 051WB52W ● 051WB52B	100% polypropylene	✓	✓
	38 cm x 38 cm	<input type="radio"/> 051WB54W ● 051WB54B	100% polypropylene	✓	✓
	200 m x 90 cm	<input type="radio"/> 051WB59W ● 051WB59B	100% polypropylene	✓	✓

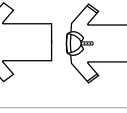
**Light weight fabrics** (100-150 g/m<sup>2</sup>): Shirts, blouses, tops, dresses...also for silk-like fabrics.
 


**Medium heavy stretch fabrics** (150-200 g/m<sup>2</sup>): Sweater, cardigans...
 

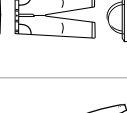
**Medium heavy fabrics** (200-250 g/m<sup>2</sup>): Blazers, kids' clothes, home textiles...
 

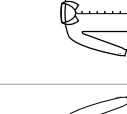
**Medium heavy stretch fabrics** (250-300 g/m<sup>2</sup>): Shirts, blouses, skirts, also silk and satin...
 


**Heavy weight fabrics** (300-350 g/m<sup>2</sup>): Workwear, jackets, aprons, bags, badges...
 

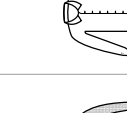
**Knitwear and stretchy fabrics** (100-200 g/m<sup>2</sup>): T-shirts, polos, softshell, light active clothing/performance wear...
 

**Light weight fabrics** (100-150 g/m<sup>2</sup>): Caps and hats...
 

**Medium heavy stretch fabrics** (150-200 g/m<sup>2</sup>):
 

**Medium heavy fabrics** (200-250 g/m<sup>2</sup>):
 

**Medium heavy stretch fabrics** (250-300 g/m<sup>2</sup>):
 

**Heavy weight fabrics** (300-350 g/m<sup>2</sup>):
 






## Tear-away backings

CMX 35 g/m <sup>2</sup>	200 m x 90 cm	<input type="radio"/> 051CMX3W <input checked="" type="radio"/> 051CMX3S	80% wood pulp, 20% polyester	<input checked="" type="checkbox"/>
CMX 50 g/m <sup>2</sup>	200 m x 90 cm	<input checked="" type="radio"/> 051CMX5W <input type="radio"/> 051CMX5S	80% wood pulp, 20% polyester	<input checked="" type="checkbox"/>
CMX 75 g/m <sup>2</sup>	100 m x 90 cm	<input checked="" type="radio"/> 051CMX7W <input type="radio"/> 051CMX7S	70% wood pulp, 30% viscose	<input checked="" type="checkbox"/>
CAPS 76 g/m <sup>2</sup>	10 cm x 30 cm	<input type="radio"/> 051QC71W	100% polyester	<input checked="" type="checkbox"/>
	100 m x 10 cm	<input type="radio"/> 051RC71W	100% polyester	<input checked="" type="checkbox"/>
SQUARES 40 g/m <sup>2</sup>	20 cm x 20 cm	<input type="radio"/> 051QV42W <input checked="" type="radio"/> 051QV42S	100% viscose	<input checked="" type="checkbox"/>
	200 m x 90 cm	<input type="radio"/> 051SMX3W	55% polyester, 30% viscose, 15% vinylal	<input checked="" type="checkbox"/>
SMX 35 g/m <sup>2</sup>	200 m x 90 cm	<input type="radio"/> 051SMX4W	55% polyester, 30% viscose, 15% vinylal	<input checked="" type="checkbox"/>
SMX 42 g/m <sup>2</sup>	200 m x 90 cm	<input type="radio"/> 051SMX5W	55% polyester, 30% viscose, 15% vinylal	<input checked="" type="checkbox"/>
COTTON SOFT 50 g/m <sup>2</sup>	200 m x 90 cm	<input type="radio"/> 051CS59W <input checked="" type="radio"/> 051CS59S	100% cotton [recycled]	<input checked="" type="checkbox"/>
	6 x 50 m x 30 cm	<input type="radio"/> 051CS53W <input checked="" type="radio"/> 051CS53S	100% cotton [recycled]	<input checked="" type="checkbox"/>
COTTON SOFT 60 g/m <sup>2</sup>	200 m x 90 cm	<input type="radio"/> 051CS69W <input checked="" type="radio"/> 051CS69S	100% cotton [recycled]	<input checked="" type="checkbox"/>
COTTON SOFT 80 g/m <sup>2</sup>	200 m x 90 cm	<input type="radio"/> 051CS89W <input checked="" type="radio"/> 051CS89S	100% cotton [recycled]	<input checked="" type="checkbox"/>

## Fusible backings

CMX 48 g/m <sup>2</sup>	200 m x 90 cm	<input type="radio"/> 051CMF4W <input checked="" type="radio"/> 051CMF4S	80% wood pulp, 20% polyester [glue: LDPE]	<input checked="" type="checkbox"/>
WEBLON + 70 g/m <sup>2</sup>	20 cm x 20 cm	<input type="radio"/> 051WF72W <input checked="" type="radio"/> 051WF72S	100% polyamide [glue: LDPE]	<input checked="" type="checkbox"/>
	38 cm x 38 cm	<input type="radio"/> 051WF74W <input checked="" type="radio"/> 051WF74S	100% polyamide [glue: LDPE]	<input checked="" type="checkbox"/>
SMX 70 g/m <sup>2</sup>	100 m x 90 cm	<input type="radio"/> 051SMF7W	55% polyester, 30% viscose, 15% vinylal [glue: LDPE]	<input checked="" type="checkbox"/>
AVALON, 20 μ	100 m x 20 cm	<input type="radio"/> 035AVAL20	100% vinylal	<input checked="" type="checkbox"/>
	100 m x 50 cm	<input type="radio"/> 035AVAL50	100% vinylal	<input checked="" type="checkbox"/>
	100 m x 100 cm	<input type="radio"/> 035AVAL	100% vinylal	<input checked="" type="checkbox"/>
	100 m x 20 cm	<input type="radio"/> 035AVS21	100% vinylal	<input checked="" type="checkbox"/>
	100 m x 50 cm	<input type="radio"/> 035AVS51	100% vinylal	<input checked="" type="checkbox"/>
AVALON STRONG, 35 μ	100 m x 100 cm	<input type="radio"/> 035AVS11	100% vinylal	<input checked="" type="checkbox"/>
	50 m x 50 cm	<input type="radio"/> 035AVU55	100% vinylal	<input checked="" type="checkbox"/>
AVALON ULTRA, 90 μ	50 m x 100 cm	<input type="radio"/> 035AVAL15	100% vinylal	<input checked="" type="checkbox"/>

## Speciality materials

FIRE FIGHTER 55 g/m <sup>2</sup>	50 m x 100 cm	<input checked="" type="radio"/> 051FF515	100% aramid	<input checked="" type="checkbox"/>	
	50 m x 20 cm	<input checked="" type="radio"/> 051FF525	100% aramid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
STICK ON 50 g/m <sup>2</sup>	50 m x 75 cm	<input type="radio"/> 051SV75W <input checked="" type="radio"/> 051SV75S	100% viscose [glue: acrylic glue]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	100 m x 75 cm	<input type="radio"/> 051SV71W <input checked="" type="radio"/> 051SV71S	100% viscose [glue: acrylic glue]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
STICK ON LIGHT 50 g/m <sup>2</sup>	50 m x 75 cm	<input type="radio"/> 051SL75W <input checked="" type="radio"/> 051SL75S	100% viscose [glue: acrylic glue]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	100 m x 75 cm	<input type="radio"/> 051SL71W <input checked="" type="radio"/> 051SL71S	100% viscose [glue: acrylic glue]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AVALON PLUS, 300 μ	100 m x 20 cm	<input type="radio"/> 035PLU52	100% vinylal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	100 m x 50 cm	<input type="radio"/> 035PLU55	100% vinylal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	100 m x 100 cm	<input type="radio"/> 035PLU51	100% vinylal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MadréAS, 30 μ	100 m x 50 cm	<input type="radio"/> 035AS513	100% elastolefin	<input checked="" type="checkbox"/>	
	200 m x 100 cm	<input type="radio"/> 035AS123	100% elastolefin	<input checked="" type="checkbox"/>	
MadréAS, 100 μ	100 m x 50 cm	<input type="radio"/> 035AS518	100% polyolefin	<input checked="" type="checkbox"/>	
	100 m x 100 cm	<input type="radio"/> 035AS118	100% polyolefin	<input checked="" type="checkbox"/>	
BODY BUILDER, 3 mm	30 cm x 40 cm	<input type="radio"/> 035B010W <input checked="" type="radio"/> 035B010B	100% ethylene vinyl acetate	<input checked="" type="checkbox"/>	
BODY BUILDER HARD, 3 mm	30 cm x 40 cm	<input type="radio"/> 035BH10W <input checked="" type="radio"/> 035BH10B	100% ethylene vinyl acetate	<input checked="" type="checkbox"/>	
HEAT SEAL 100 g/m <sup>2</sup>	50 m x 20 cm	<input type="radio"/> 035H125	100% polyamide	<input checked="" type="checkbox"/>	
HEAT SEAL 100 g/m <sup>2</sup>	50 m x 50 cm	<input type="radio"/> 035H155	100% polyamide	<input checked="" type="checkbox"/>	
COMFORT WEAR 40 g/m <sup>2</sup>	100 m x 50 cm	<input type="radio"/> 051CW50W <input checked="" type="radio"/> 051CW50S	100% polyester	<input checked="" type="checkbox"/>	
WATER SEAL 120g/m <sup>2</sup>	100 m x 45,5 cm	<input type="radio"/> 035ST104	100% polyurethane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



### - 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



Heat press



**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.

Full adhesion after 48 hours.



# 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% polyester [recycled]



Make-ups:

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



certified by ECOCERT Greenlife, Licence Number 240979, learn more at [TextileExchange.org/Standards](https://TextileExchange.org/Standards)



- For medium to heavy woven or knit fabrics like softshell, business wear, work overalls, denim, bags, sweaters or heavy knit cardigans
- E-ZEE Green Cut contains 100% GRS certified recycled polyester, certified by ECOCERT Greenlife Licence Number 240979
- Reduce production set-up time with pre-cut narrow rolls

### CMX

40g / 65g / 80g: 60% polyester, 40% wood pulp  
50g: 60% polyester, 20% wood pulp, 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

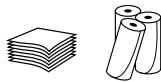
34g / 44g: 100% polyamide



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+

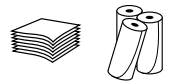
55g: 100% polyamide



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 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



**! PES soft 40g/m<sup>2</sup> will be discontinued.**  
Available while stocks last.  
**● Please check this alternative: E-ZEE Green Cut 45**

## SMX

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



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: 80% wood pulp, 20% polyester  
75g: 70% wood pulp, 30% polyester



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, 30% viscose, 15% vinylal



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 & medium-weight fabrics
- Available on rolls and pre-cuts
- Easy to remove & especially suitable for small embroideries



### COTTON SOFT

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



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% wood pulp, 20% polyester  
[glue: LDPE (low-density polyethylene)]



- 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 from 150-160°C



Make-ups:  
200 m x 90 cm



### WEBLON+

70g: 100% polyamide  
[glue: LDPE (low-density polyethylene)]



- 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
- To be ironed on from 150-160°C



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



### SMX

70g: 55% polyester, 30% viscose, 15% vinylal  
[glue: LDPE (low-density polyethylene)]



- 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 150-160°C



Make-ups:  
100 m x 900 cm



# 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% vinylal



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% vinylal



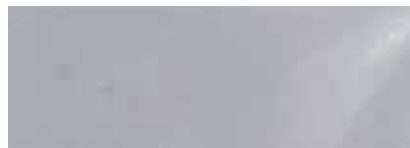
Make-ups:  
100 m x 20 cm  
100 m x 50 cm  
100 m x 100 cm

- 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% vinylal



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: 100% aramid



Make-ups:

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

- 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





## STICK ON

50g: 100% viscose [glue: acrylic glue]



Make-ups:

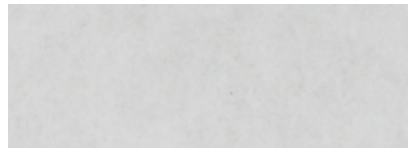
- 50 m x 75 cm 
- 100 m x 75 cm 

- 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





## STICK ON LIGHT

50g: 100% viscose [glue: acrylic glue]



Make-ups:

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

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



## AVALON PLUS

300 microns: 100% vinylal



Make-ups:

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

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



## MadeirAS 30

30 microns: 100% elastolefin



Make-ups:

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

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



MadeirAS films can be removed with a heat press or an iron. See data sheet for application instructions.

## MadeirAS 100

100 microns: 100% elastolefin



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: 100% ethylene vinyl acetate



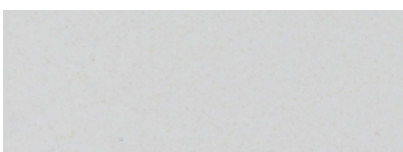
Make-ups:  
30 cm x 40 cm ●●

- 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: 100% 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% polyamide



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



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



## For sealing stitch holes

### E-ZEE WATER SEAL

120g: 100% polyurethane



Make-ups:  
45,5cm x 100m

- Specially designed to seal stitch holes in rainwear
- For light to medium weight vinyl or polyurethane coated fabrics
- Full adhesion is achieved after 48 hours





**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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