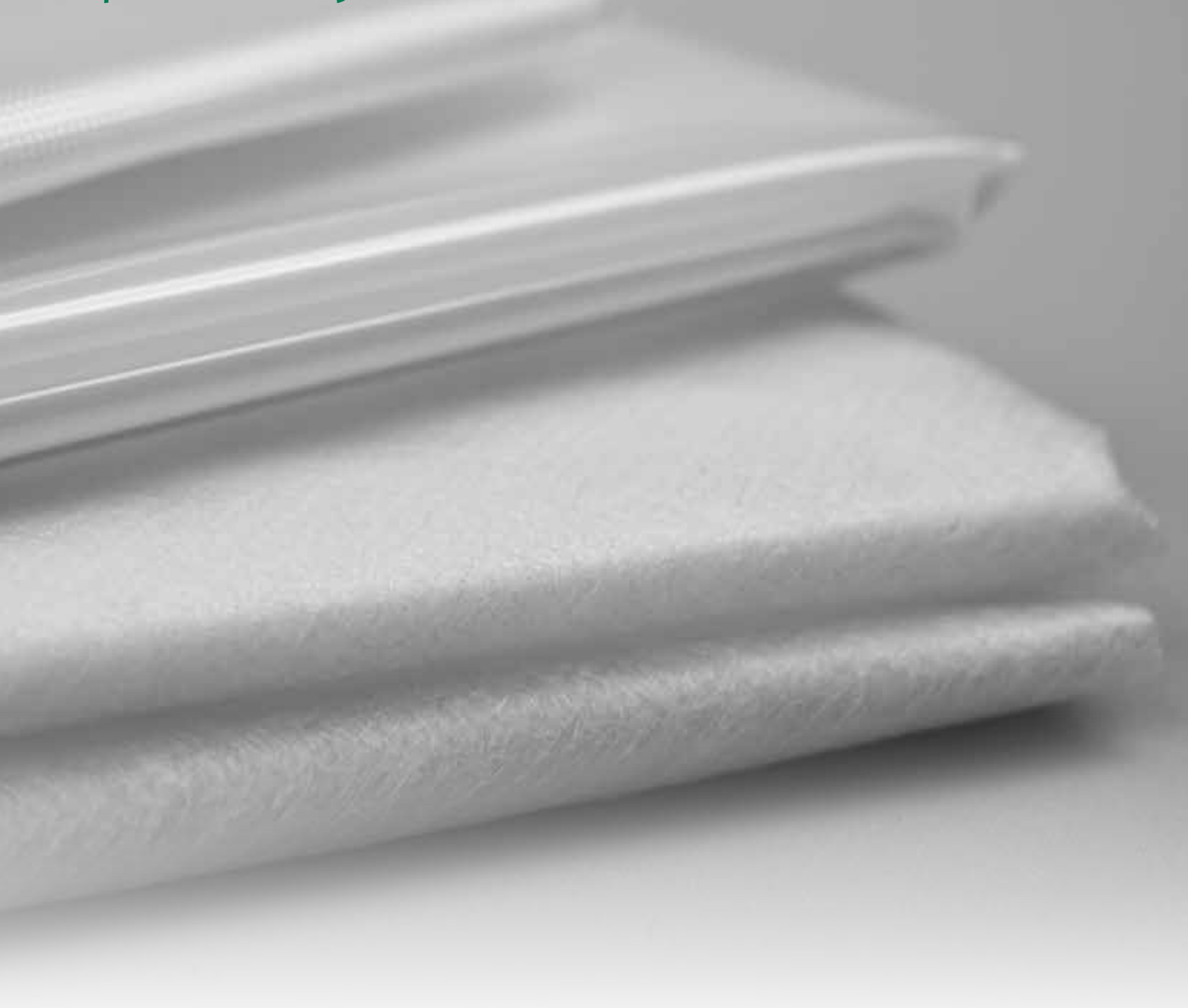


Stabilisers

Novelties, **selector**, range summary

MADEIRA

Backings, embroidery toppings & speciality materials



FIND YOUR IDEAL STABILISER!

MADEIRA overview:
embroidery backings, toppings & speciality materials 2020

Whether you prefer to cut or tear your backing, realise embroidery on functional materials or create cap embroidery, thanks to our extensive selection, you will always find the right stabiliser 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 (foils) and speciality materials**

Find further information at:

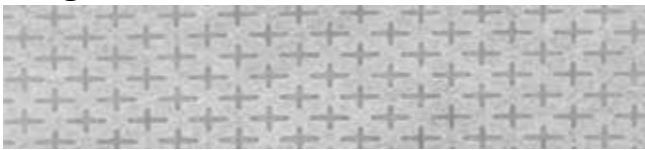
www.madeira.com/embroidery-solutions/embroidery-supplies/embroidery-stabilisers

Our new products!

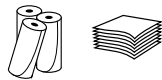


We have supplemented our range for you to make your choice even easier!

Premium cut-away backing 55 g - WEBLON+



- for medium to heavy elastic/stretchy fabrics/ knitwear, medium-weight (elastic) woven fabrics such as sweatshirts, functional wear & fleece
- available in rolls for classic clamping or as pre-cuts
- soft, stable and „invisible“ premium backing for special requirements.
- heat resistant up to 260 °C



Premium cut-away backing, fusible 70 g - WEBLON+



- for medium to heavy, elastic/stretchy fabrics, coarse knitwear, pique and functional fabrics
- available as pre-cuts
- „invisible“ polyamide backing for materials that cannot be clamped or embroidered without puckering
- iron-on up to 150 °C – (max. 200 °C)



Premium fusible tear-away backing, 48 g - CMX



- for light and elastic woven goods; light business shirts, blouses & textiles made of silk or acetate
- available in rolls
- especially suitable for materials that cannot be clamped or embroidered without puckering
- can be ironed on at 130 °C



Fusible tear-away backing, 70 g - SMX



- for medium-weight and elastic woven goods; functional workwear & emblems
- available in rolls
- especially suitable for materials that cannot be clamped or embroidered without puckering
- iron-on from 150 °C to max. 200 °C



Premium tear-away backing, 50 g - EASY TEAR



- for light & medium-weight fabrics
- available in rolls for classic clamping
- easy to remove & especially suitable for small embroidery



THE SELECTOR:

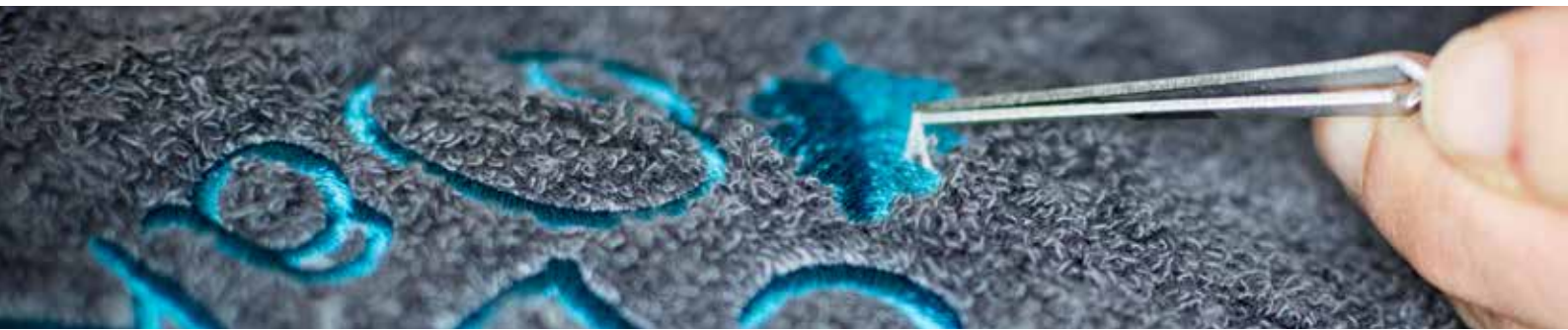
All Madeira stabilisers at a glance

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 overview. Find your ideal backing or topping based on the fabric, application, weight or purpose.

With the Madeira configurator, you only need a few minutes!





Signs and symbols



Article available in **rolls**



Cut-away backing



Article available as **pre-cuts**



Tear-away backing



General recommendations

We recommend using the selected backing **in one layer**.
The base fabrics material and qualities determine the quality of the adhesive results.

We therefore recommend running gluing and temperature tests before production.

By changing the pressure, temperature, steam and time, the adhesive results can be controlled.

Please check the care instructions of the base material before use.
When using fusible backings (CMX + SMX), always work with light pressure.
This can prevent adhesive residues from remaining on the base material after tearing off.

OVERVIEW BACKINGS

TEAR- AND CUT AWAY BACKINGS

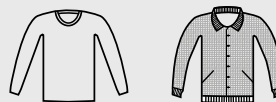
fine, lycra,
stretchy fabrics,
knitwear



usage for:

t-shirts, polos, softshell, light active clothing/
performance Wear ...

medium-heavy, lycra,
stretchy fabrics,
knitwear



usage for:

sweater, knitted jackets ...

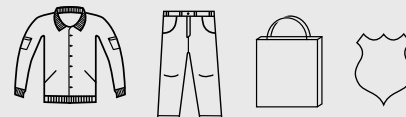
medium-heavy,
lycra woven fabrics



usage for:

shirts, blouses, skirts also silk and satin ...

heavy woven fabrics





usage for:

workwear, jackets, denim, bags, badges ...

PRODUCT	WEIGHT	MAKE UP (l x w)			COLOUR	MATERIAL	ART. NO.
CMX fusible version on next page	35 g/m ²	200 m x 90 cm			white	80% cellulose, 20% PES	051CMX3W
	35 g/m ²	200 m x 90 cm	●		black	80% cellulose, 20% PES	051CMX3S
	40 g/m ²	100 m x 90 cm		●	white	40% cellulose, 60% PES	051CMX4W
	40 g/m ²	100 m x 90 cm		●	black	40% cellulose, 60% PES	051CMX4S
	50 g/m ²	200 m x 90 cm	★	●	white	80% cellulose, 20% PES	051CMX5W
	50 g/m ²	200 m x 90 cm	★	●	black	80% cellulose, 20% PES	051CMX5S
	50 g/m ²	100 m x 90 cm		●	white	20% cellulose, 60% PES, 20% viscose	051CMX51
	50 g/m ²	100 m x 90 cm		●	black	20% cellulose, 60% PES, 20% viscose	051CMX50
	65 g/m ²	100 m x 90 cm		●	white	40% cellulose, 60% PES	051CMX6W
	65 g/m ²	100 m x 90 cm		●	black	40% cellulose, 60% PES	051CMX6S
	75 g/m ²	100 m x 90 cm	★	●	white	70% cellulose, 30% viscose	051CMX7W
	75 g/m ²	100 m x 90 cm	★	●	black	70% cellulose, 30% viscose	051CMX7S
	80 g/m ²	100 m x 90 cm		★	white	40% cellulose, 60% PES	051CMX8W
	80 g/m ²	100 m x 90 cm		★	black	40% cellulose, 60% PES	051CMX8S
WEBLON	44 g/m ²	*20 cm x 20 cm		★	white	100% polyamide	051WL20W
	34 g/m ²	*20 cm x 20 cm		★	black	100% polyamide	051WL20S
	44 g/m ²	45 m x 50 cm		★	white	100% polyamide	051WL50W
	34 g/m ²	45 m x 50 cm		★	black	100% polyamide	051WL50S
	44 g/m ²	45 m x 75 cm		★	white	100% polyamide	051WL75W
	34 g/m ²	45 m x 75 cm		★	black	100% polyamide	051WL75S
	34 g/m ²	200 m x 94 cm		★	white	100% polyamide	051WL92W
	34 g/m ²	200 m x 94 cm		★	black	100% polyamide	051WL92S
WEBLON+ fusible version on next page	55 g/m ²	100 m x 90 cm		●	white	100% polyamide	051WP59W
	55 g/m ²	100 m x 90 cm		●	black	100% polyamide	051WP59S
	55 g/m ²	*20 cm x 20 cm		●	white	100% polyamide	051WP52W
	55 g/m ²	*20 cm x 20 cm		●	black	100% polyamide	051WP52S
	55 g/m ²	*38 cm x 38 cm		●	white	100% polyamide	051WP54W
	55 g/m ²	*38 cm x 38 cm		●	black	100% polyamide	051WP54S
EASY TEAR	50 g/m ²	100 m x 90 cm	●		white	100% viscose	051ET59W
PES SOFT	40 g/m ²	200 m x 90 cm		●	white	100% PES	051PS49W
	80 g/m ²	100 m x 90 cm		●	white	100% PES	051PS89W
	80 g/m ²	100 m x 90 cm		●	black	100% PES	051PS89S
PES HARD	80 g/m ²	100 m x 90 cm		●	white	100% PES	051PH89W
	80 g/m ²	100 m x 90 cm		●	black	100% PES	051PH89S
SQUARES	40 g/m ²	*20 cm x 20 cm	●		white	100% viscose	051QV42W
	40 g/m ²	*20 cm x 20 cm	●		black	100% viscose	051QV42S
SMX fusible version on next page	35 g/m ²	200 m x 90 cm	●		white	55% PES, 15% PVA, 30% viscose	051SMX3W
	42 g/m ²	200 m x 90 cm	●		white	55% PES, 15% PVA, 30% viscose	051SMX4W
	50 g/m ²	200 m x 90 cm	●		white	55% PES, 15% PVA, 30% viscose	051SMX5W
	80 g/m ²	100 m x 90 cm		●	white	55% PES, 15% PVA, 30% viscose	051SMX8W
	50 g/m ²	*23 cm x 23 cm		●	white	100% polypropylene	051WB52W
WEB	50 g/m ²	*23 cm x 23 cm		●	black	100% polypropylene	051WB52S
	50 g/m ²	*38 cm x 38 cm		●	white	100% polypropylene	051WB54W
	50 g/m ²	*38 cm x 38 cm		●	black	100% polypropylene	051WB54S
	50 g/m ²	200 m x 90 cm		●	white	100% polypropylene	051WB59W
	50 g/m ²	200 m x 90 cm		●	black	100% polypropylene	051WB59S
	50 g/m ²	200 m x 90 cm	●		white	100% recycled cotton	051CS59W
	50 g/m ²	200 m x 90 cm	●		black	100% recycled cotton	051CS59S
COTTON SOFT	60 g/m ²	200 m x 90 cm	●		white	100% recycled cotton	051CS69W
	60 g/m ²	200 m x 90 cm	●		black	100% recycled cotton	051CS69S
	80 g/m ²	100 m x 90 cm	●		white	100% recycled cotton	051CS89W
	80 g/m ²	100 m x 90 cm	●		black	100% recycled cotton	051CS89S
	50 g/m ²	6 x 50 m x 30 cm	●		white	100% recycled cotton	051CS53W
	50 g/m ²	6 x 50 m x 30 cm	●		black	100% recycled cotton	051CS53S

* precuts 250 pc./pack

PRODUCT	WEIGHT	MAKE UP (l x w)			COLOUR	MATERIAL	ART. NO.
CMX fusible version	48 g/m ²	200 m x 90 cm	●		white	80% cellulose, 20% PES (glue: LDPE)	051CMF4W
	48 g/m ²	200 m x 90 cm	●		black	80% cellulose, 20% PES (glue: LDPE)	051CMF4S
SMX fusible version	70 g/m ²	100 m x 90 cm	●		white	55% PES, 15% PVA, 30% viscose (glue: LDPE)	051SMF7W
WEBLON+ fusible version	70 g/m ²	*20 cm x 20 cm		●	white	100% Polyamid (glue: LDPE)	051WF72W
	70 g/m ²	*20 cm x 20 cm		●	black	100% Polyamid (glue: LDPE)	051WF72S
	70 g/m ²	*38 cm x 38 cm		●	white	100% Polyamid (glue: LDPE)	051WF74W
	70 g/m ²	*38 cm x 38 cm		●	black	100% Polyamid (glue: LDPE)	051WF74S
STICK ON LIGHT one-sided adhesive backing	50 g/m ²	50 m x 75 cm	●		white	100% viscose	051SL75W
	50 g/m ²	100 m x 75 cm	●		white	100% viscose	051SL71W
STICK ON one-sided adhesive backing	50 g/m ²	50 m x 75 cm	●		white	100% viscose	051SV75W
	50 g/m ²	100 m x 75 cm	●		white	100% viscose	051SV75W
	50 g/m ²	50 m x 75 cm	●		black	100% viscose	051SV75S
	50 g/m ²	100 m x 75 cm	●		black	100% viscose	051SV71S
SQUARES CAPS	76 g/m ²	*10 cm x 30 cm	●		white	100% PES	051QC71W
ROLLS CAPS	76 g/m ²	100 m x 10 cm	●		white	100% PES	051RC71W
FIRE FIGHTER	55 g/m ²	50 m x 100 cm		●	yellow	50% melamine-resin, 50% aramid / 100% aramid	051FF51S
	55 g/m ²	50 m x 20 cm		●	yellow	50% melamine-resin, 50% aramid / 100% aramid	051FF52S

* pre-cuts 250 pc./pack



Preferably use only one layer of backing fabric



STICK ON & STICK ON LIGHT,

for textiles or precuts that should not be framed.
(corduroy fabrics, velvet, suede fabrics ...)













Gluing: To achieve optimum results always test before production,
taking into consideration the care instructions of the fabric



OEKO-TEX	fine, lycra, stretchy fabrics, knitwear	medium-heavy, lycra, stretchy fabrics, knitwear	light woven fabrics	medium-heavy woven fabrics	medium-heavy, lycra woven fabrics	heavy woven fabrics	caps	safety garments/ wear
●			●	●				
●			●	●				
* ●					●	● badges		
●		●			●			
●		●			●			
●		●			●			
		●			●			
		●						
		●		●				
		●		●				
		●		●				
		●		●				
* ●							●	
* ●							●	
								●
								●

*Certificate available
Oct. 2019

FUSIBLE BACKING	IRONING TEMPERATURE		HEAT PRESS		
	 °C		 °C	 TIME	 PRESSURE
CMX 48 g/m ²	from 130 °C		from 130 °C	4 – 6 sec.	2 max. 4 bar
SMX 70 g/m ²	150 - max. 200 °C	 	150 - max. 200 °C	4 – 6 sec.	0 – 4 bar
WEBLON+ 70 g/m ²	150 - max. 200 °C	 	150 - max. 200 °C	4 – 6 sec.	0 – 4 bar

Pressure: When using **CMX & SMX fusible** always use low pressure to avoid glue dot marks.

Fabrics and their specialised finishes can vary, therefore testing is always advisable.

Embroidery backings

For soft and even embroidery results

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

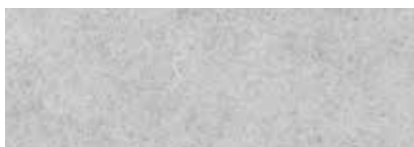


Cut-away backings

Permanent stabilisation for delicate embroidery and fabrics..

Premium – CMX

40 g/ 50 g / 65 g/ 80 g



presentations:
100 m x 90 cm / B & W

- for light, medium and heavy woven materials, such as shirts, silk, denim or children's clothing
- rolls available
- high-quality premium backings with viscose
- OEKO-TEX® certified



Premium – WEBLON

34 g/ 44 g



presentations:
20 cm x 20 cm / B & W
45 m x 50 cm / B & W
200 m x 94 cm / B & W

- for fine elastic/stretch fabrics & knitwear/lightweight fabrics
- available in rolls or pre-cuts
- „invisible“ soft and heat-resistant backing made of 100% polyamide



Standard – PES SOFT

40 g/ 80 g



presentations:
200 m x 90 cm / W
100 m x 90 cm / B & W

- for fine elastic/stretchy fabrics & knitwear, as well as light medium/elastic woven fabrics
- available in rolls
- the soft polyester alternative for all 40 g and 80 g backing variations



Standard – PES HARD

80 g



presentations:
100 m x 90 cm / B & W

- for heavy woven materials and caps
- available in rolls
- heavier polyester backing, also suitable for cap embroidery



Basic – WEB

50 g



presentations:
23 cm x 23 cm / B & W
38 cm x 38 cm / B & W
200 m x 90 cm / B & W

- for fine elastic/stretchy fabrics and knitwear
- available in rolls or 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.

Premium – CMX

35 g/ 50 g/ 75 g



presentations:

200 m x 90 cm / B & W
100 m x 90 cm / B & W

- for light, medium and heavy woven materials, such as shirts, silk, denim or children's clothing
- available in rolls
- regular, short-fibre backing structure with viscose component
- OEKO-TEX® certified



Premium – CAPS (SQUARES & ROLLS)

76 g



presentations:

10 cm x 30 cm / W
100 m x 10 cm / W

- especially for cap embroidery
- available in rolls or pre-cuts
- polyester backings for best results on caps



Standard – SQUARES

40 g



presentations:

20 cm x 20 cm / B & W

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



Standard – SMX

35 g/ 42 g/ 50 g



presentations:

200 m x 90 cm / B & W

- for light, medium and heavy woven fabrics, as well as caps
- available in rolls
- classic multifunctional backing with viscose



Basic – COTTON SOFT

50 g/ 60 g/ 80 g



presentations:

200 m x 90 cm / B & W
100 m x 90 cm / B & W
6 x 50 m x 30 cm / B & W

- for light, medium and heavy woven fabrics, as well as caps
- available in rolls and pre-cuts (COTTON SOFT SIXPACKS)
- reliable and inexpensive cotton backings. *Fusible backing rolls with 50 g while stocks last (discontinued model)*

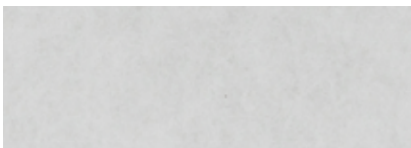


Adhesive backings

Support for use in areas and fabrics that are impossible to reach or frame (corduroy, velvet, velour, shirt collars, etc.).

Standard – STICK ON LIGHT

50 g



presentations:

50 m x 75 cm / W
100 m x 75 cm / W

- for medium and heavy elastic/stretchy fabrics and knitwear, as well as medium heavy textiles
- available in rolls
- one-sided adhesive backing in white



Standard – STICK ON

50 g



presentations:

50 m x 75 cm / W
100 m x 75 cm / B & W

- for medium and heavy elastic/stretchy fabrics and knitwear, as well as medium-weight woven fabrics
- available in rolls
- one-sided adhesive backing in black & white



Speciality backing

For special requirements.

Premium – E-ZEE FIRE FIGHTER

55 g



presentations:

50 m x 100 cm / Y

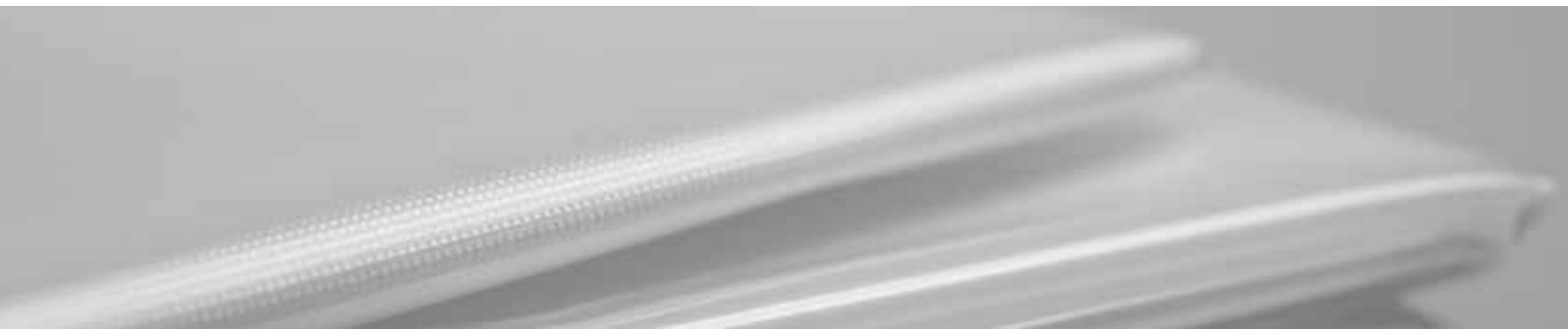
- heat-resistant aramid-melamine resin cut-away backing for flame-resistant protection and workwear
- in two presentations in the material's natural yellow colour
- breathable, tear proof and dimensionally stable



OEKO-TEX®
Product class II

NOTE: Embroideries are only suitable for heat-resistant safety clothing if both certified top and under threads, as well as suitable embroidery backings, are used consistently.





Heat-soluble speciality backings

Heat-soluble backing substitutes or base material for badges

30 microns MadeirAS FILM



presentations
200 m x 100 cm
100 m x 50 cm

- for fine and elastic base materials
- alternative to using backings



100 microns MadeirAS FILM



presentations
100 m x 100 cm
100 m x 50 cm

- for patches and badges
- double-layered for clean embroidery edges



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



Embroidery toppings

... keep your embroidery in shape.

Toppings not only prevent individual design elements from sinking into knitwear or terrycloth, but they also avoid the base material showing through. Furthermore, they can be removed easily and without residue with water or heat.

Water-soluble toppings

Residue-free protection for your embroidery

Water-soluble embroidery topping – AVALON

20 microns



presentations:

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

- improves the embroidery image on mesh and terrycloth goods
- prevents the thread from sinking into the material
- for a smooth and firm surface during the embroidery process



Water-soluble embroidery topping – AVALON STRONG

35 microns



presentations:

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

- special topping for lace embroidery
- can also be used as a backing for very sensitive fabrics
- can be used in several layers if necessary



Water-soluble embroidery topping – AVALON PLUS

300 microns



presentations:

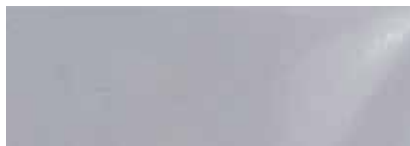
20 cm x 100 m
50 cm x 100 m
100 cm x 100 m

- thick foil with fleece/textile-like structure
- non-slip
- ideal as a backing substitute for fabrics that should be embroidered on both sides, without the use of a traditional backing



Water-soluble embroidery topping – AVALON ULTRA

90 microns



presentations:

50 cm x 50 m
100 cm x 50 m

- additional support for filigree embroidery



Adhesive film

For permanent affixation of badges

Adhesive film – E-ZEE HEAT SEAL

Fusible version, 100 g



presentations:

20 cm x 50 m
50 cm x 50 m

- washable at 40 °C



Adhesive film – E-ZEE HEAT SEAL

Heat press version, 80 g



presentations:

105 cm x 100 m

- washable at 95 °C



Speciality toppings and materials

for creativity and comfort

Our 3D foams help create cool designs on caps and bags, while inlays add comfort and make the back of the embroidery soft and comfortable.

Fusible embroidery inlay – E-ZEE COMFORT WEAR

51 g



presentations:
50 cm x 100 m / B & W

- jersey inlay to cover the back of the embroidery
- high wearing comfort thanks to its bi-elastic property
- protects the skin



Soft 3D embroidery foam – BODYBUILDER SOFT

3 mm



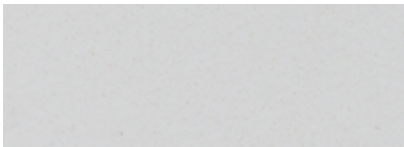
presentations:
30 cm x 40 cm / B & W

- for extra 3D volume
- can be used in multiple layers
- for effects on caps, bags, etc
- for soft corners and clean embroidery edges



Hard 3D embroidery foam – BODYBUILDER HARD

3 mm



presentations:
30 cm x 40 cm / B & W

- 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





Madeira - your partner for quality embroidery threads, stabilisers and accessories for the production of industrial machine embroidery. No matter whether you are active in a particular industrial sector or want to realise intelligent textiles with conductive threads, we offer you support in all areas, from individual advice to expertise and trouble-shooting – just contact us!

service@madeira.com

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