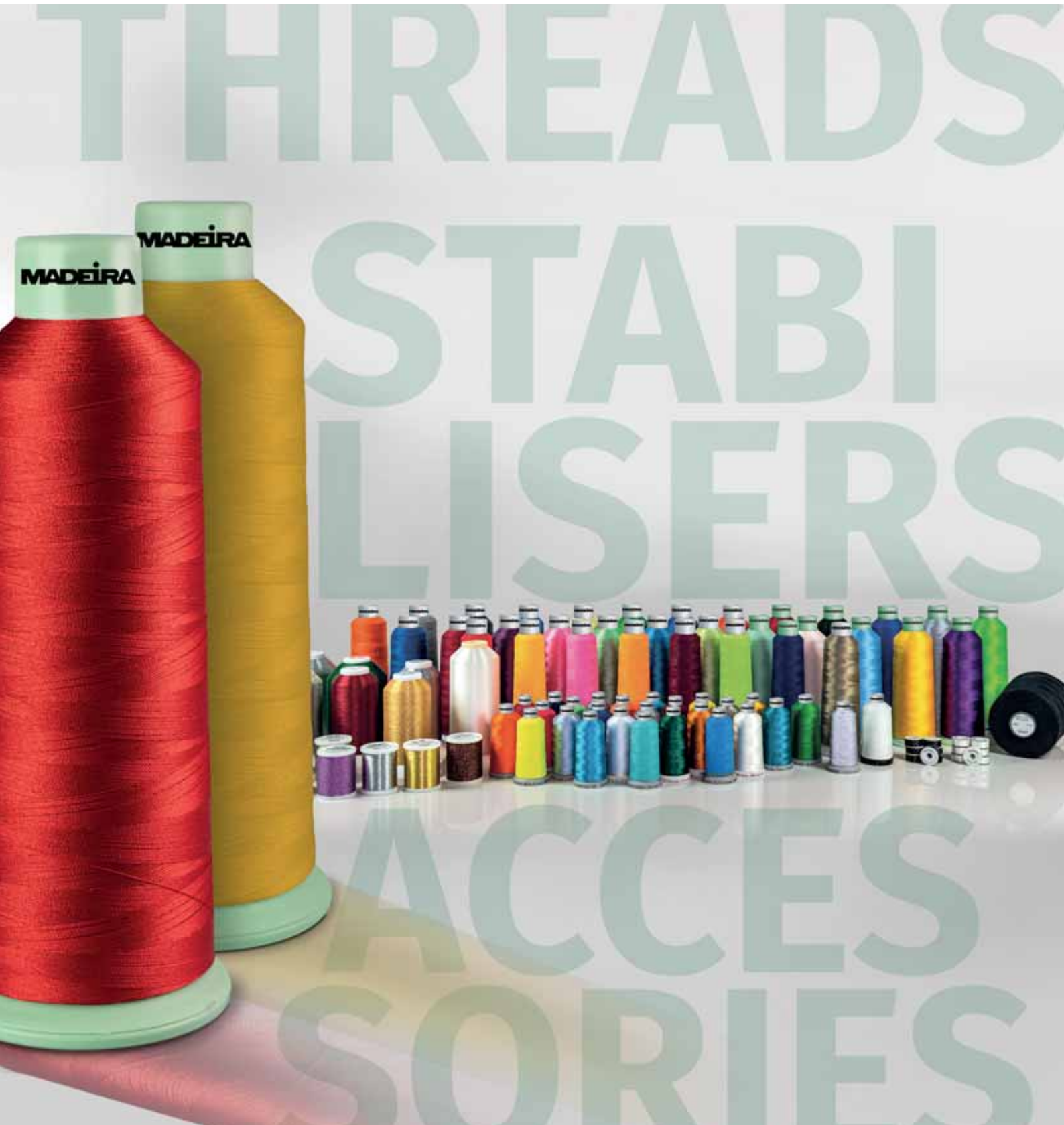


Product Catalogue **MADEIRA**

Embroidery threads and many other supplies for the industry





Your global partner for one-stop embroidery supplies



As a renowned manufacturer of premium quality embroidery threads for over 100 years, today we are your global partner for a comprehensive range of embroidery materials.



With Madeira Green, we are delighted to introduce a portfolio of new eco-friendly products and services to our customers. Discover the **MADEIRA**^{green} branded products and information in this catalogue and let's make embroidery more sustainable together.

Our viscose, polyester, wool blends and technical threads are offered in a large variety of colours, weights and make-ups. Bobbin threads, the right needles for every thread, backings, toppings, speciality materials, accessories, embroidery support and training complete our range and make your life easier as we aim to sustainably offer you everything you need for embroidery.

With nine subsidiaries and over 50 partners worldwide, today we successfully supply our products and services in over 100 countries.

We're sure to be somewhere close to you too and look forward to serving your needs.



*Dear customer,
This product catalogue shows you most products or product categories available to order from our sales partners, subsidiaries or webshops around the world. As our range is very large, we kindly ask for understanding that we cannot show every product in detail.
If you are missing something or a product is not available locally, please contact your local reseller or us directly for support.*

– madeira.com –

Get the most out of your embroidery



For us, embroidery is the most valuable form of embellishment or personalisation.

That's why we have not only decided to be a specialist for embroidery supplies, but we also feel deeply committed to our customers' success.

From the careful selection of raw materials and environmentally friendly production processes to intense quality controls, we make sure that all products comply with one goal: providing you the necessary supplies for outstanding embroidery. And as we know that the material is not everything, we also support you with training, advice and service.

Of course, our goods are compliant to many international regulations. So whatever industry sector you're working for, check our product range for compliance to certifications such as fire retardancy or fire resistance, industry wash or OEKO-TEX® standards.

Your Madeira Team

MADEIRA



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How to quickly find what you're looking for



Explanation of the symbols used

Please check for the colour-coded icon on each page that shows you where you are.



General **information, service and support**



All about **backings, toppings** and other **stabilisers**



Thread range and information



Accessories (e.g., needles, scissors)

MAKE-UP:



Make-up in metres or gram



Thread thickness



Cut-away backings



In this catalogue the content of the packaging is given. The sales units can differ.



Number of colours



Needle recommendation



Tear-away backings



Underthread



PANTONE®
Colour matching



Special suitability for fashion
and collection orders



Stable colour /
high colour fastness



Label for eco-friendly products
and resource-saving processes



Botanical origin / products
made from renewable resources



Products made from recycled
materials



MADEIRA embroidery threads

State-of-the-art threads for highest machining performance



& thread families

and what makes Madeira threads so special



Thread is much more than simply yarn. It's a passion for excellence, shine, look, feel, touch and, of course, what it makes out of the embroidered garment. That's why we take special care in the development and selection of all our threads, in terms of the utmost colour consistency from dye lot to dye lot, soft touch thanks to low thread tension settings while embroidering, and a great choice of types, weights and colours.

Shiny and matte polyester threads

POLYNEON
POLYNEON green **NEW**
FROSTED MATT

Wool and cotton blend threads

BURMILANA
BURMILANA CO

Metallic threads

CR Metallic
FS
SUPERTWIST

Rayon viscose threads

CLASSIC

Speciality threads

LONA
MONOLON
REFLECT **NEW**

Premium lyocell threads

SENSA green **NEW**

Technical threads

HC
FIRE FIGHTER
POLYNEON FR



Rayon viscose threads

Natural silk gloss and maximum flexibility in 4 thread weights. Viscose rayon has a similar structure to cotton and offers a feel and texture resembling those of natural fibres. It provides an uniform and even embroidery appearance.

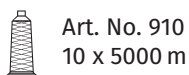
- high colour fastness to washing, rubbing and perspiration
- consistent colours, look and feel over all thread weights
- the soft thread structure and low thread tension runability of Classic threads avoid looping
- vivid shine, depending on incident light
- made from wood harvested from sustainably managed forests



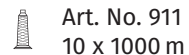
Smooth viscose is the perfect choice for modern light fabrics and filigree designs.

CLASSIC 40

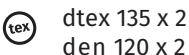
100 % viscose [filament]



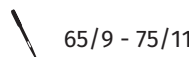
Art. No. 910
10 x 5000 m



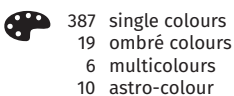
Art. No. 911
10 x 1000 m



dtex 135 x 2
den 120 x 2



65/9 - 75/11



387 single colours
19 ombré colours
6 multicolours
10 astro-colour



Colour 1071 is undyed thread for overdyed applications.

CLASSIC 30

100 % viscose [filament]



*Art. No. 921
10 x 3000 m



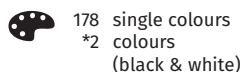
Art. No. 914
10 x 25 g



dtex 200 x 2
den 180 x 2



75/11



178 single colours
*2 colours
(black & white)

CLASSIC 60

100 % viscose [filament]



*Art. No. 916
10 x 5000 m



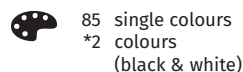
Art. No. 915
10 x 1500 m



dtex 84 x 2
den 75 x 2



60/8 - 65/9



85 single colours
*2 colours
(black & white)

CLASSIC 12

100 % viscose [filament]



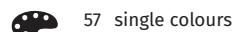
Art. No. 920
10 x 2000 m



dtex 330 x 2
den 300 x 2



100/16



57 single colours

CLASSIC No.12 is ideal for overlocking, festoon work and decorative stitching.



Classic 40



Classic 30, Classic 60 and Classic 12





Rayon sampling tools



Assortment Box

CLASSIC 40

387 single colours (1000 m)

Art. No. 005CL4A
005CL4B
005CL4C



For more detailed information, please see:
www.madeira.com/startersets

Mini Starter

CLASSIC 40

10 diff. colours x 1000 m

Art. No. 006M1CL4



Shade Card

CLASSIC

Our most comprehensive tool for accurate colour selection.

Art. No. 001CL431





Sensa Green

Experience the Touch of Nature

Sensa Green embroidery thread was developed using performant technologies with reduced impact on the environment.

The raw material is provided by the forest and is renewable. The trees are grown sustainably on non-agricultural soil, with the help of rainwater.

At the factory, they are transformed into woodchips to extract the cellulose. To minimise waste, various products are also obtained from the noncellulosic components.

Further processing creates a pulp from which the biodegradable lyocell fibres are derived.

TENCEL™ Lyocell is produced at Lenzing with resource-saving manufacturing methods, which have received the European Business Award for the Environment. The revolutionary closed-loop technologies recycle water and more than 99 % of the organic solvent.

These fibres are then transported short distances and additionally processed. At Madeira's factory in Germany they get their silk matte colours and are turned into Sensa Green. During these final stages, water and energy are further saved and the wastewater is monitored in line with the strict local regulations.

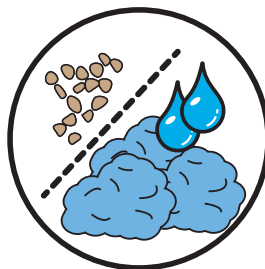
What emerges: A sensationally soft machine embroidery thread with an incredible performance and look that's sure to please your senses.



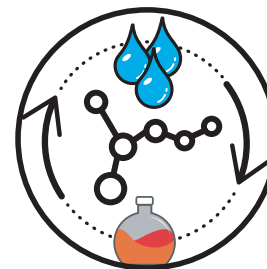
Wood



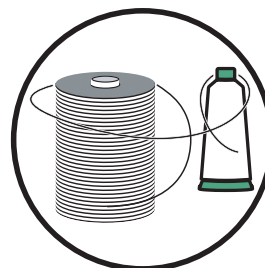
Woodchips



Pulp



Closed-loop fibre production



Soft lyocell thread



Your sustainable embroidery



Premium lyocell threads



The first coloured machine embroidery thread made of 100 % strong and smooth TENCEL™ Lyocell fibres embodies the goodness found in nature and is one of the most environmentally friendly choices in the world.

- botanical origin – manufactured from trees grown in sustainably managed forests
- environmentally friendly production that saves and reuses resources
- feather soft and a distinguished silk-matte look
- suitable for many designs digitized for 40-weight threads
- a completely new embroidery experience in premium quality
- fully recyclable to support the progress of the textile industry



TENCEL™ is a trademark of Lenzing AG

- An undyed version is also available (no. 071)
 - offers maximum flexibility and a harmonious colour fit
 - for overdye applications
- Use lyocell underthreads for a consistent feel and truly sustainable end result – page 26.

SENSA green

100 % lyocell [TENCEL™]

Art. No. 710
10 x 5000 m

dtex 100 x 2
den 90 x 2

65/9 - 75/11

144 single colours

Assortment Box

SENSA green

144 colours (1000 m)
Art. No. 005SE00

Available
2022

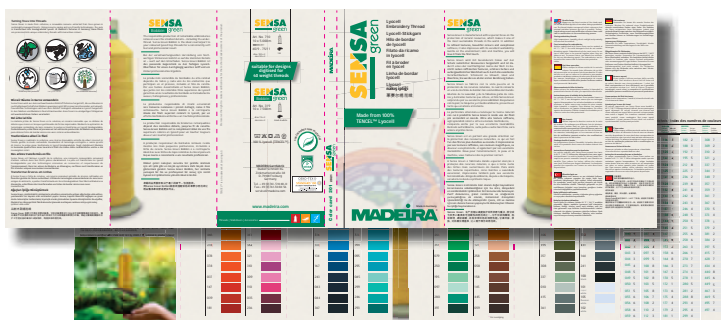


Shade Card

SENSA green

Our most comprehensive tool for accurate colour selection.

Art. No. 001SE210





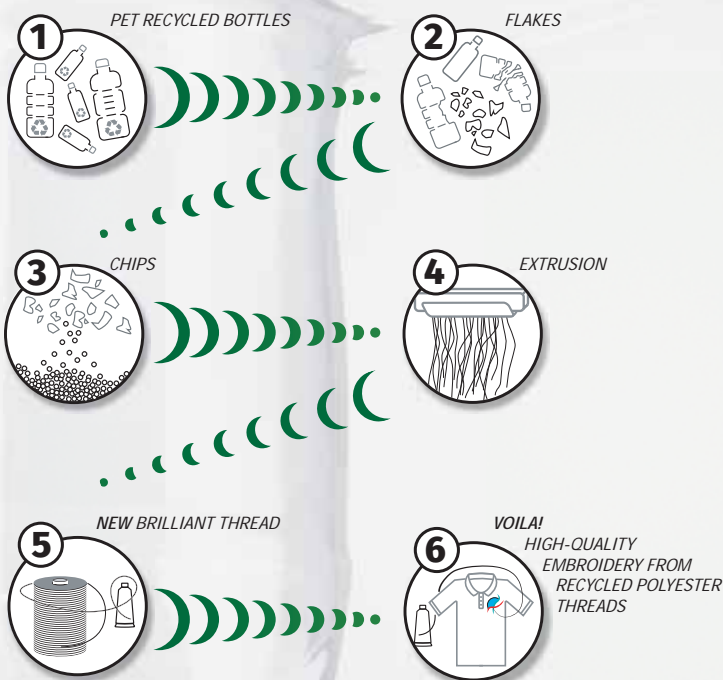
Polyneon Green



Recycling plain plastic into radiant embroideries

Not easy to make, but it has many eco-advantages. By reusing existing materials, no new waste is created, and non-renewable resources are saved. The environment also benefits from the reduced energy consumption and fewer carbon emissions when compared to the production of virgin polyester.

How do we make it happen?





Recycled polyester threads

Premium embroidery threads developed in response to the global demand to reduce the number of plastic containers that end up in nature. Extremely robust and shiny, they offer the same high quality as all other polyester threads from Madeira, while being part of the solution.


- made of 100 % recycled plastic
- give a new life to post-consumer PET bottles
- save non-renewable resources
- excellent performance on industrial machines
- high resistance, including to chlorine
- produce brilliant and sustainable embroideries





 For sampling please use Polyneon 40 assortment box (Art. No. 005PO40)


POLYNEON 40 green

100 % polyester [recycled]

 Art. No. 718
10 x 5000 m

 dtex 135 x 2
den 120 x 2

 60/8 - 75/11

 108 single colours




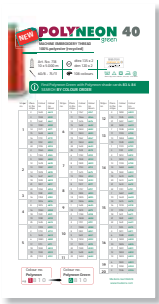
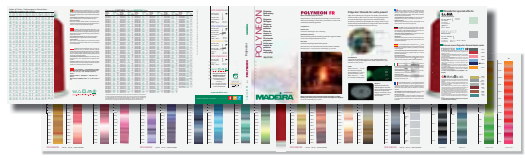
Δ max. 20 g/l active chlorine - max. 30°C - max. 30min



100% GRS recycled polyester
Certified by EOCERT Greenlife
Licence number 240979
Learn more at
TextileExchange.org/Standards



 For colour selection, please use the Polyneon shadecards no. 83 or 84 with an added Polyneon Green inlay (Art. No. 001PL84).





Shiny polyester threads


Particularly robust threads for heavily stressed textiles. Available in over 400 colours, including fashionable neon shades. Compared to other polyester threads, they can be processed with a lower thread tension, which provides a nice, loose result.


- suitable for chlorine bleaching, stone wash and industrial laundry
- lightfast, cost-effective & resistant to abrasion
- high tear resistance




POLYNEON 40


100 % polyester [filament]

 Art. No. 918
10 x 5000 m

 Art. No. 919
10 x 1000 m


 dtex 135 x 2
den 120 x 2


 60/8 - 75/11

 389 single colours
20 multicolours
24 fluorescent colours

POLYNEON 60


100 % polyester [filament]

 *Art. No. 926
10 x 5000 m

 Art. No. 924
10 x 1500 m


 dtex 84 x 2
den 75 x 2


 60/8 - 65/9


 143 single colours
7 fluorescent colours
*2 colours (black & white)


POLYNEON 75


100 % polyester [filament]

 *Art. No. 935
10 x 10000 m

 Art. No. 936
10 x 2500 m

 dtex 55 x 2
den 50 x 2

 60/8

 87 single colours
3 fluorescent colours
*2 colours (black & white)



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.



Industrial laundry suitability according to ISO DIN 15797:2004-06



Polyester sampling tools



Assortment Box

POLYNEON 40

413 colours (1000 m)

Art. No. 005PO40A
005PO40B
005PO40C



For more detailed information, please see:
www.madeira.com/startersets

Assortment Box

POLYNEON 60

150 colours (1000 m)

Art. No. 005POL60



Mini Starter

POLYNEON 40

10 diff. colours x 1000 m

Art. No. 006MIPL4

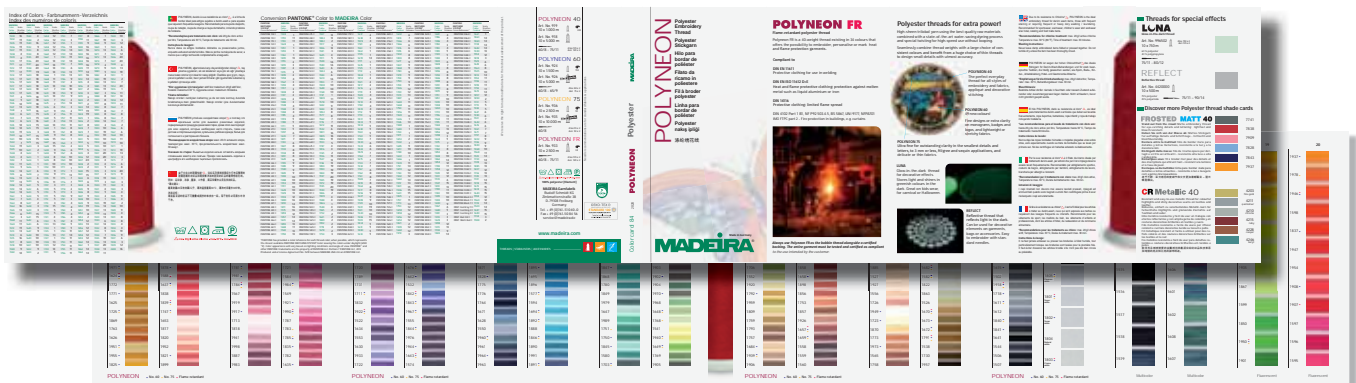


Shade Card

POLYNEON

Our most comprehensive tool for accurate colour selection.

Art. No. 001PL84






Matte polyester threads

The world's first real frosted-effect thread for clear contours and strong contrasts in over 200 shades for whole new colour dimensions.


- very high colour fastness to light (grades 6 to 8, except neon shades)
- resistant to chlorine and other bleaching agents
- great for thread mixing, lettering or effects on functional wear and other garments
- truly matte effect due to the industrial oxide ceramic (titanium dioxide) incorporated into the polyester spinning mass from which the continuous filaments are made


 Frosted Matt 40 should be punched like a 55 - 60 thread.




FROSTED MATT 40


100 % polyester

 Art. No. 940
10 x 2500 m

 Art. No. 942
10 x 1000 m


 dtex 90 x 2
den 80 x 2


 60/8 - 75/11

 187 single colours
14 fluorescent colours


FROSTED MATT 30

100 % polyester

 Art. No. 944
10 x 2500 m

 dtex 175 x 2
den 160 x 2

 70/10 - 80/12

 89 single colours
7 fluorescent colours

Assortment Box

FROSTED MATT 40

201 single colours (1000 m)

Art. No. 005FM40A
005FM40B



Mini Starter

FROSTED MATT 40

10 diff. colours x 1000 m

Art. No. 006MIFM4

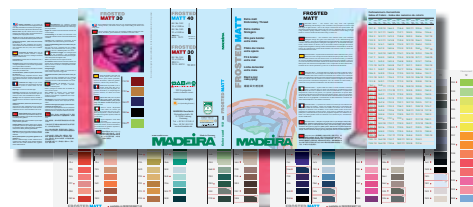


Shade Card

FROSTED MATT

Our most comprehensive tool for accurate colour selection.

Art. No. 001FR112



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.





Premium metallic threads




Luxurious metallic threads for golden moments with an exclusive shine thanks to the silver foils wrapped around a polyamide, polyester or viscose core. In addition, special threads for elegant shiny effects.


- FS 40's construction contains special paper to prevent the metallised foil from moving and exposing the polyamide core
- FS 30 is suitable for hard-wearing embroideries (chlorine resistant, washable at 95 °C)
- the fine thread FS 50 and the thick FS 20 allow shaping contours, respectively to add volume and metallic outlines
- various choices for metallic effects in timeless silver and gold nuances or eye-catching colours



FS 20


80 % viscose
20 % metallised polyester

 Art. No. 974
10 x 100 g

 Art. No. 981
5 x 20 g


 dtex 360
den 320


 100/16


 26 single colours

FS 30


55 % polyester
45 % metallised polyester

 Art. No. 980
10 x 5000 m

 Art. No. 979
10 x 2500 m


 dtex 320
den 290


 90/14
80/12 SAN®8


 20 single colours


FS 40


40 % metallised polyester
35 % polyamide, 25 % paper

 Art. No. 986
10 x 5000 m

 Art. No. 985
5 x 1000 m


 dtex 220
den 200


 65/9 - 75/11


 21 single colours


FS 50


55 % metallised polyester
45 % polyamide

 Art. No. 988
10 x 5000 m

 Art. No. 987
5 x 1000 m

 dtex 150
den 135

 65/9 - 75/11

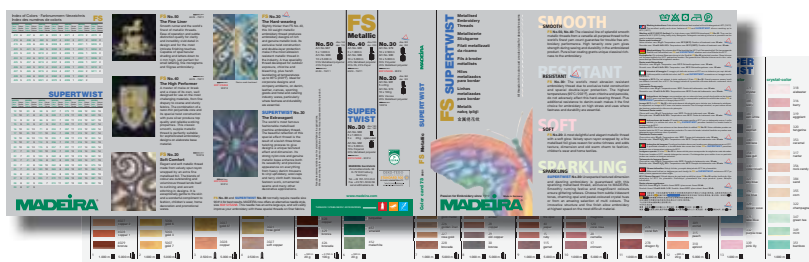
 8 single colours


Shade Card

FS SUPERTWIST

Our most comprehensive tool for accurate colour selection.

Art. No. 001FS73



FS 30

 △ max. 20 g active chlorine/l - max. 30°C - max. 30 min.
 Peroxide: max. 10 ml/l H₂O₂ 35% - max. 50°C - max. 20 min.

FS 50, 40, 20




FS 30




Easy-to-use & trendy metallic threads

The durable, smooth-running game changer in shiny and vivid colours. Feels particularly smooth on the skin and is suitable for baby articles. Furthermore, CR is resistant against abrasion and provides outstanding quality at a competitive price.

- runs perfectly with standard needle sizes
- great running performance at high speeds of 700 to 1000 stitches per minute
- washable at high temperatures

CR Metallic 40

68% polyester
32% metallised polyester

Art. No. 978
10 x 2500 m

dtex 230
den 210

65/9 - 75/11

42 single colours

CR Metallic 20

80% polyester [texturised]
20% metallised polyester

Art. No. 975
10 x 2000 m

dtex 510
den 460

90/14
80/12 SAN®8

16 single colours



Download the CR flyer: madeira.com/CR-metallic

Versatile structured effect thread that offers a beautiful shimmer. Especially suitable for glittering effects for fashion applications, streetwear or decorative sewing on denim.

- over 120 stylish colours and a special texture provide cool design effects

SUPERTWIST 30

70% polyamide
30% metallised polyester

Art. No. 982
10 x 5000 m

Art. No. 983
5 x 1000 m
(opal colours 900 m)

dtex 180
den 160

90/14
80/12 SAN®8

68 single colours
11 multicolours
16 opal colours
26 crystal colours



Shade card available
Art. No. 001CR65



for some special colours



Included in the
FS shade card (page 17)





Wool and cotton-blend threads



Voluminous handcrafted look for vintage or volume embroidery designs in over 200 colours.

- wool-acrylic or cotton-acrylic mixtures
- ideally suited for large filling areas
- Burmilana CO is certified with STANDARD 100 by OEKO-TEX®, product class I

i The design elements digitised for Burmilana help reduce the number of stitches in an embroidered pattern – good coverage in fully embroidered area by voluminous relief formation.





BURMILANA 12

BURMILANA CO

BURMILANA 12

50 % wool * 70 % acrylic
50 % acrylic 30 % wool

 Art. No. 813
10 x 1000 m


 dtex 330 x 2
den 300 x 2


 100/16

 135 single colours
12 mélangé colours

BURMILANA CO

50 % cotton
50 % acrylic

 Art. No. 816
10 x 1000 m

 dtex 330 x 2
den 300 x 2

 100/16

 65 single colours
7 mélangé colours

* 3351, 3352, 3353, 3354,
3641, 3644, 3749, 3901, 3986



BURMILANA 12



BURMILANA CO

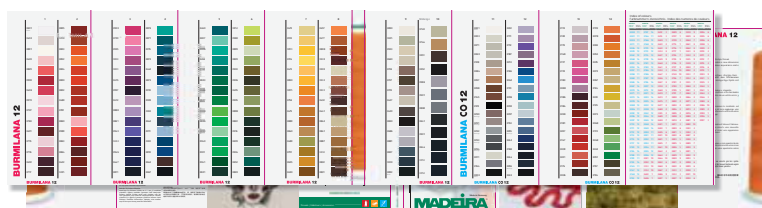


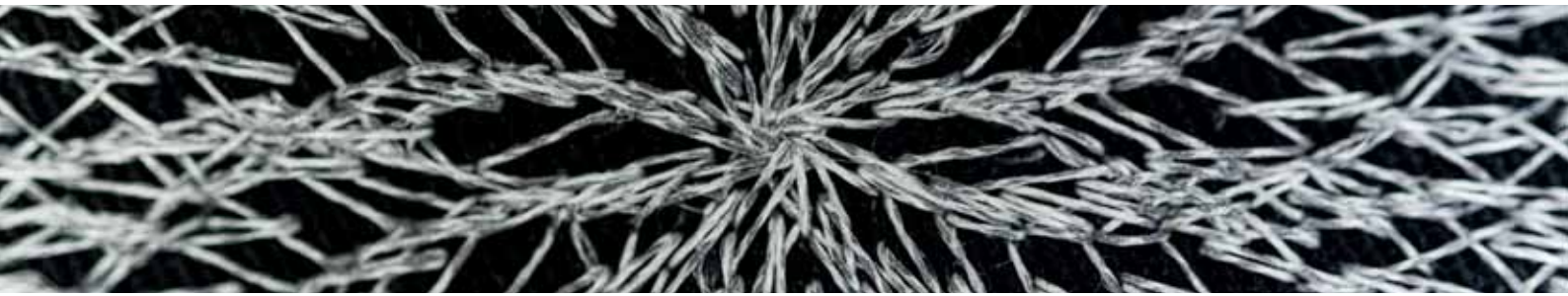
Shade Card

BURMILANA

Our most comprehensive tool for accurate colour selection.

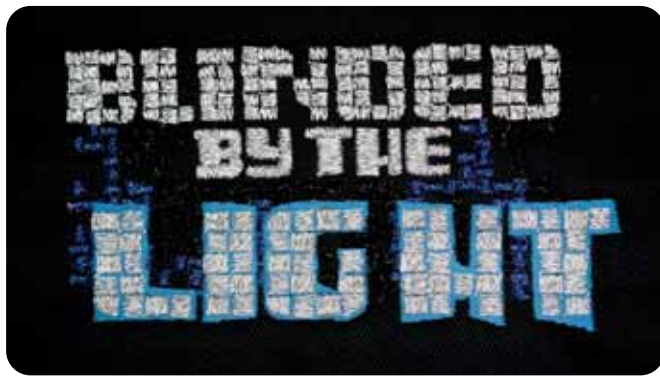
Art. No. 001BUR610





Light-reflecting threads

Light up your designs! This new surprise effect thread reflects light in the dark. Use it to play with the visibility of machine embroideries on clothes or accessories. Suitable for designs digitalised for 35 or 40-weight threads.



REFLECT

75 % polyester
25 % polyamide



Art. No. 442
10 x 500 m



for 35 or 40-weight
designs*



75/11 - 90/14



1 single colour



* Due to the fibre composition and the special construction of the Reflect thread, the thickness can't be provided in Nm and dtex. The weight of the thread might vary slightly, therefore the design should be tested in advance.

Effect and speciality threads





Easy-to-process, glow-in-the-dark effect thread that stores light when held under the sun or artificial light.


- gives off light through a greenish glow
- special construction for strong and long-lasting luminosity
- for glowing effects on children's clothing, as well as Halloween and carnival articles


LUNA

60 % polyester
40 % polypropylene

 Art. No. 996
10 x 750 m

 dtex 150 x 2
den 135 x 2

 75/11 - 80/12

 1 single colour



Daylight

Glowing green in the dark



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.





Transparent speciality monofilament for the invisible attachment of sequins and LEDs, as well as for filigree work. Mix colourful and transparent threads for unique effects.

- available in two colours ("transparent" & "smoke")

MONOLON

100 % polyamide

 Art. No. 801
10 x 15000 m

 dtex 66
den 60

 65/9

 2 single colours
(transparent & smoke)



Technical threads

Sensors

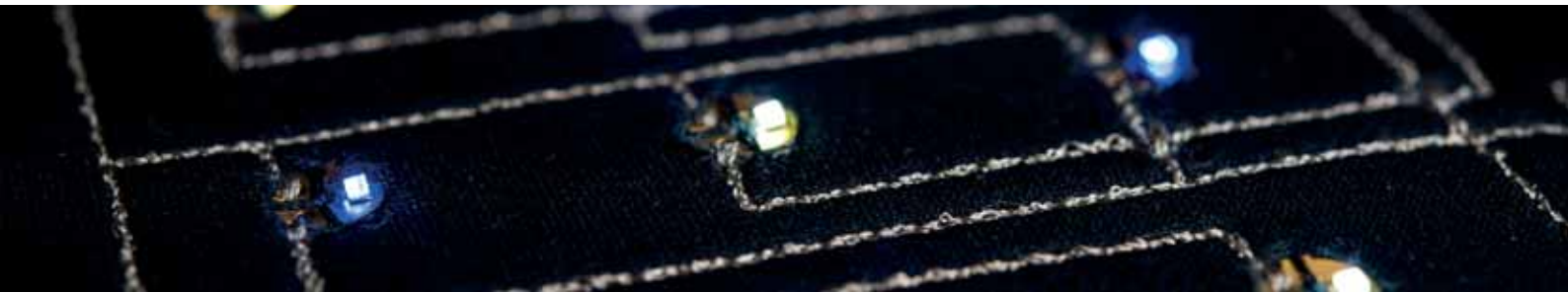
Heating

Lighting



Actuators

Flexible circuits




Highly conductive threads



Fully silver-plated with 99 % pure silver, highly conductive polyamide thread in two weights.

- silver is skin-friendly, antibacterial, antistatic & biocompatible
- for flexible circuitries, connecting LEDs, textile sensors, actuators and heating
- attachable by the use of embroidery, conductive glue or clamps
- silver plating around every single filament


 Download the HC flyer
madeira.com/smart-textiles


We recommend turning the textiles inside out and placing them in a laundry bag before washing.




HC 12


100 % polyamide [fully silver plated]

 Art. No. 420
10 x 1000 m

 Art. No. 420SMP
1 x 150 m

 dtex 235 x 2
(before plating)


 100/16


 1 single colour


Resistance:
< 100 Ω/m


HC 40


100 % polyamide [fully silver plated]

 Art. No. 410
10 x 2500 m

 Art. No. 410SMP
1 x 250 m

 dtex 117 x 2
(before plating)

 75/11 - 80/12

 1 single colour

Resistance:
< 300 Ω/m



zoom factor x 200, HC 40






Fire-resistant and flame-retardant threads


Flame-resistant aramid embroidery thread in 30 colours.


- for security applications for motorsports, aeroplanes, workwear and protective clothing
- tested according to DIN EN ISO 15025
- allows the following certifications to be obtained: DIN EN 469, DIN EN ISO 14460, DIN EN ISO 11612 -A -B -C, DIN EN 61482-1-2 K1, DIN EN 13034 K1, DIN EN ISO 11611, DIN EN ISO 14116, DIN 4102 Part 1 B 1, and other national norms


FIRE FIGHTER 40


100 % aramid

 Art. No. 929
10 x 2500 m

 Art. No. 922
10 x 950 m

 dtex 130 x 2
den 120 x 2

 75/11 - 80/12

 30 single colours



For complete protection you must use also the heat-resistant bobbin threads and backings - pages 26 & 31.



△ max. 20g active chlorine/l - max. 30°C - max. 30 min.



Shade card available
Art. No. 001FIR97




Flame-retardant thread in 30 single and 4 fluorescent colours.


- tested according to DIN EN ISO 11612 D&E
- compliant with DIN EN ISO 11611, DIN EN ISO 14116, DIN 4102 Part 1 B1
- optimised for industrial embroidery machines
- for applications on workwear, curtains or car seats


POLYNEON FR

100 % polyester [filament]

 Art. No. 933
10 x 2500 m

 dtex 135 x 2
den 120 x 2

 60/8 - 75/11

 30 single colours
4 fluorescent colours



△ max. 20g active chlorine/l - max. 30°C - max. 30 min.



Included in the
Polyneon shade card
Art. No. 001PL84



MADEIRA

GO GREEN

with sustainable embroidery products

SENSA
green

POLYNEON
green



**100 % TENCEL™ Lyocell
top and bobbin threads**



**100 % GRS recycled polyester
shiny top threads**

(For details regarding the certification see page 13.)

TENCEL™ is a trademark of Lenzing AG



Underthreads for self-winding

For rewinding:

BURMILON 200

100 % polyester



Art. No. 305
10 x 7500 m



dtex 150 x 1
den 135 x 1



2 colours
(black & white)

BURMILON 200:
Extremely fine underthread to avoid frequent bobbin changes.

PLEASE NOTE: Adjustment to the machine might be necessary!

BURMILON 120/2

100 % polyester



Art. No. 301
10 x 7500 m



dtex 80 x 2
den 75 x 2



2 colours
(black & white)

BURMILON 120/2:
The twisted classic!
Our best-selling bobbin thread for all embroidery designs.

UNDERTHREAD 150

100 % polyester



Art. No. 315
10 x 15000 m



dtex 110 x 2
den 100 x 2



2 colours
(black & white)

UNDERTHREAD 150:
An economic allrounder bobbin thread.



BURMILON 120/2



BURMILON 200



UNDERTHREAD 150

SENSA Bobbin green

100 % lyocell [TENCEL™]



Art. No. 319
10 x 7500 m



dtex 74 x 2
den 66 x 2



2 colours
(black & white)

FIRE FIGHTER BOBBIN THREAD

100 % aramid



Art. No. 923
10 x 5000 m



dtex 130 x 2
den 120 x 2



2 colours
(black & white)



SENSA GREEN BOBBIN

FIRE FIGHTER BOBBIN THREAD

BURMILON 120/2 & 200,
UNDERTHREAD 150



△ max. 20 g Active chlorine/l - max. 30°C - max. 30 min.

FIRE FIGHTER BOBBIN THREAD



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.

SENSA GREEN BOBBIN



BURMILON 120/2 & 200,
UNDERTHREAD 150



FIRE FIGHTER BOBBIN THREAD



SENSA GREEN BOBBIN





Underthreads pre-wound bobbins







Prewound bobbins:


MAGNETIC SIDED BOBBINS

with magnetic side disc

100 % polyester [filament]

-  Art. No. 308
-  ca. 123 m/spool
-  ca. 113 m/spool

 dtex 75 x 2
den 70 x 2

 2 colours
(black & white)




package with 144 spools

MAGNETIC SIDED BOBBINS:
The magnetic-sided disc ensures smoother running and prevents looping.


MAGNETIC CORE BOBBINS

with magnetic core

100 % polyester [filament]

-  Art. No. 317
-  ca. 135 m/spool
-  ca. 123 m/spool

 dtex 75 x 2
den 70 x 2

 2 colours
(black & white)

package with 144 spools

MAGNETIC CORE BOBBINS:
The lower thread bobbin with magnetic core for a particularly even flow. Fewer bobbin changes – saves underthread, thanks to its special construction with open sides.



MAGNETIC SIDED







MAGNETIC CORE


ROYAL

with side discs

100 % polyester [filament]

-  Art. No. 307
-  ca. 123 m/spool
-  ca. 113 m/spool

 dtex 75 x 2
den 70 x 2

 2 colours
(black & white)

package with 144 spools

ROYAL:
With side discs, no winding from large cones necessary! Practical, always at hand and with consistent thread quantity and tension.



ROYAL



△ max. 20g Active chlorine/l - max. 30°C - max. 30 min.



Stabilisers

E-ZEE

E-ZEE backings, toppings and speciality materials.
Stabilisation of embroidery and fabric for outstanding quality and consistent results.

To make things easier, we have developed a backing selector, helping you to find the ideal stabiliser for your demands. Just search by fabric type, weight, application or operational purpose and find what you need.

At madeira.com/backings you'll find more information about our embroidery stabilisers and the backing selector PDF file to download.



Please note that the backing selector shows the Madeira HQ range.

If your desired backing is not available in your country, please contact your local reseller or our customer service for suggestions on substitution products.

The right stabiliser for every application

Embroidery stabilisers like toppings, backings and speciality materials help you to get a durable, even and high-quality embroidery result. Without using any stabilisation, thin fabrics tend to pucker or the embroidery might feel scratchy on the skin or lose its shape. Most important for choosing the right stabiliser is the adaption to the fabric and the embroidered design. Whatever your requirements, we offer a wide range to support you in finding the right solution for your needs.

The following pages provide an overview of:

- tear-away & cut-away backings
- fusible & adhesive backings
- wash-away & heat-soluble backings
- heat-resistant backings
- toppings & films
- speciality materials



Find all backings available in your country by contacting your local partner or ask for a information sheet / pack of the Madeira backing range.



Tear-away & cut-away backings



Tear-away

Tear-away backings can be removed quickly by simple and multi-directional tearing. These mainly short-fibre backings are particularly suitable for more stable materials such as denim, twill, canvas or caps. Also available as handy pre-cuts.



Premium backings from 35 - 80 g available in two colours.



Cut-away

Cut-away backings are especially appropriate for delicate fabrics. They remain part of the embroidery and thus serve as a permanent stabiliser. The protruding backing can be easily cut away while the rest remains soft to the skin. Available on rolls and as pre-cuts.



Cut away backings (available from 35 - 80 g) can be removed with a seam ripper.

SERVICES

Pre-cuts



Black & white pre-cuts for different backings available.



Discover Madeira's backings and toppings @ madeira.com/backings



We offer three different quality levels divided into **BASIC**, **STANDARD** and **PREMIUM**. The assortments and ranges are country specific.

Speciality backings



These backings are your assistants for difficult tasks. They can be used in areas that are challenging or impossible to frame and for fabrics that cannot or should not be framed (cord, velvet, velour, etc.).

Fusible backings

allow stabilisation of the fabric before framing and have a bonding side that is activated when ironed. Available as tear-away or cut-away versions in different weights and qualities.



Adhesive backings

are particularly used for small items. They have a release paper to be removed on one side and can be attached to the embroidery with pressure. They exist as tear-away versions in two strengths.



Wash-away backings

are 100 % water soluble and should therefore be used for garments that can be washed. You can choose between a textile structure material, and water-soluble embroidery film. Particularly suitable for lace embroidery.




Heat-soluble backings

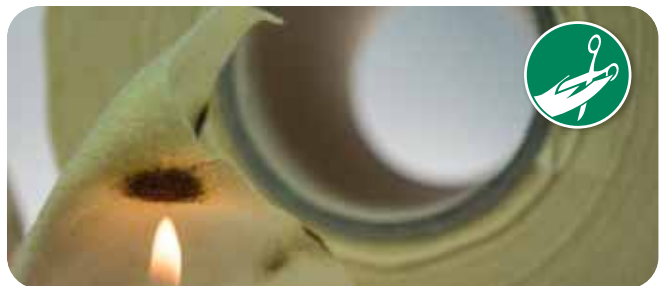
made out of 100 % polyolefine are mainly used for thin or very stretchy fabrics as well as for patches. They can be completely removed by using a heat press or a standard iron and can be applied without adhesive sprays.



Heat-resistant backing FIRE FIGHTER

Hardly flammable, breathable, tear resistant and stable – this is your backing for special requirements. We offer 100 % aramid and aramid-melamine mix cut-away backings for flame-resistant protective clothing and workwear.

 Embroideries are suitable for certifiable heat-resistant safety textiles only when appropriate backings, top and under threads are used.





Toppings and films

Toppings not only prevent individual elements from sinking into knitwear or terrycloth, but also prevent the base material from showing through. They can be easily removed with water or heat without leaving any residue.

Water-soluble toppings

Benefit from residue-free protection for your embroidery with water-soluble films. They prevent the intricate parts of a design from sinking into the fabric, but they also function as a second stabiliser during the embroidery process, especially for stretchy functional wear. Water-soluble toppings can be easily torn away. The rest will completely disappear after washing the piece for the first time.



Heat-soluble films

They can be easily removed through heating with an iron or heat press. These films are mainly used as a substitution for backings or as a base material for badges.





Speciality materials



Madeira offers various speciality materials that might vary according to the country. Our 3D foams help create cool designs on caps and bags, while inlays add comfort and leave the back of the embroidery soft and comfortable. To fix badges to the base material, we offer different adhesive films. If you want to embroider waterproof garments, we recommend water seal films.

BODYBUILDER

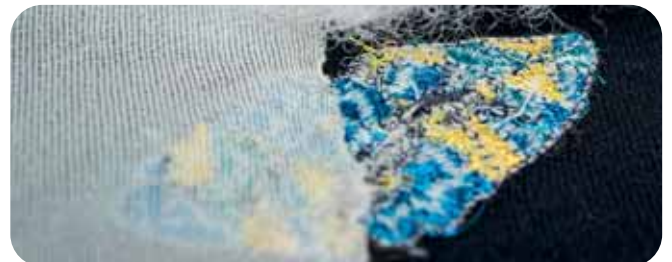
Bodybuilder is a **3D foam material** to create dimensional embroidery designs. It exists in 2 qualities (hard and soft), each of which is 3 mm thick. Can be used in one or several layers. It is great on caps or hoodies.

Check madeira.com/bodybuilder for usage instructions.



E-ZEE COMFORT WEAR

E-ZEE Comfort Wear is a fusible, **bi-elastic jersey interlining** to cover the reverse side of embroideries. Its soft surface protects the skin. It is made from a light fabric that doesn't shine through and bonds durably.



E-ZEE HEAT SEAL

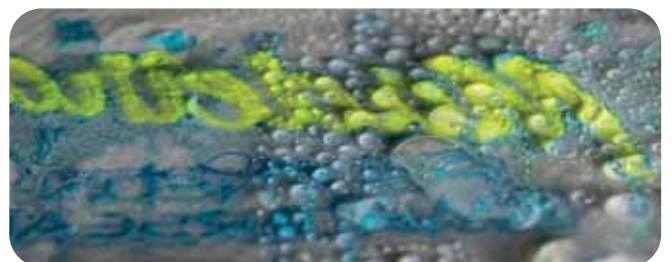
Permanent adhesive foils, such as E-ZEE Heat Seal, fix your embroidered patches and badges to garments. Use an iron to attach them to a fabric. They affix easily on various materials.




E-ZEE WATER SEAL

NEW

To seal embroidery holes on waterproof garments. **Waterproof film** is ideal for raincoats and other waterproof items. It stops the water from penetrating through the holes created by the needles while embroidering.



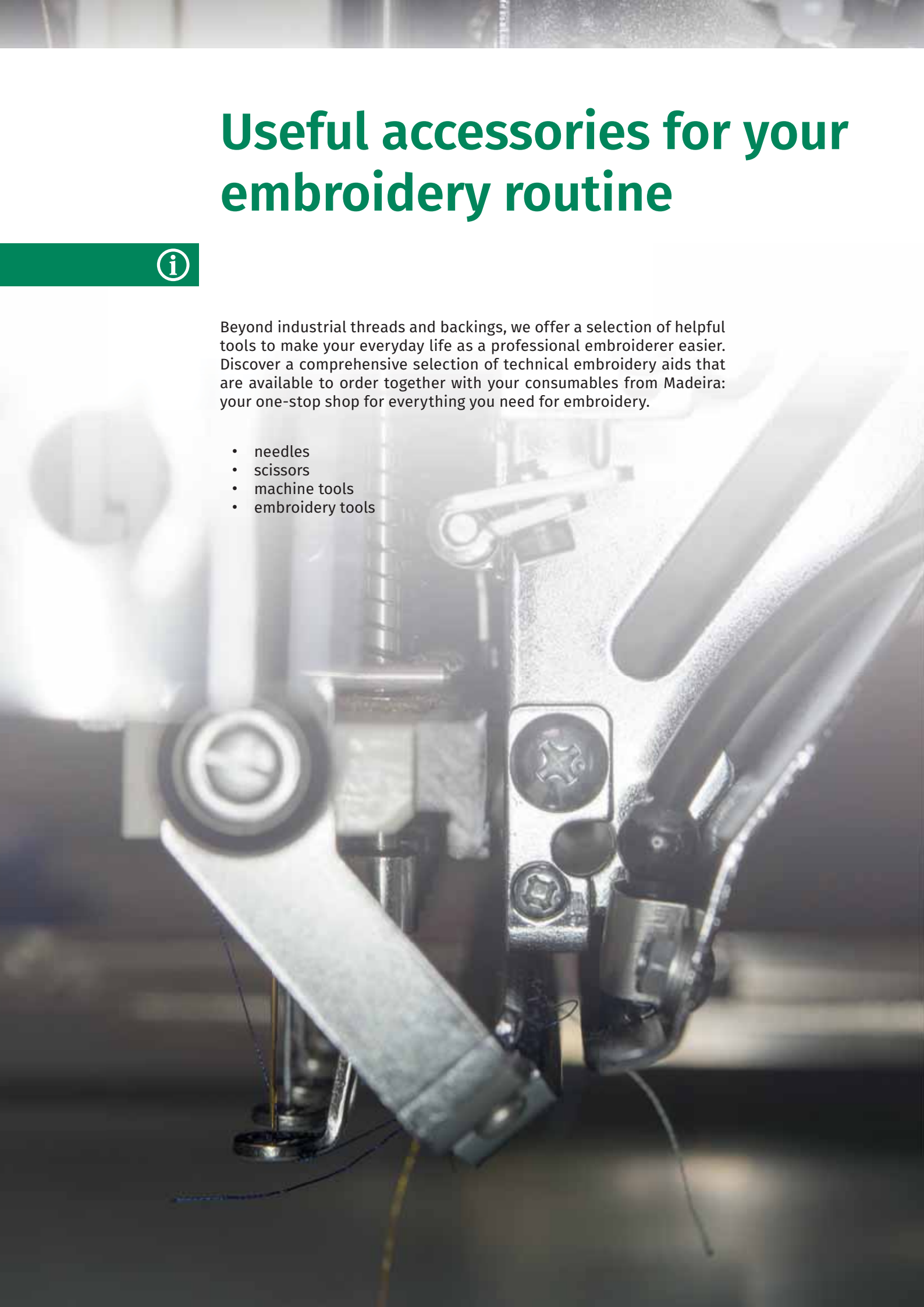
 NOTE: Product designations might vary in different countries. For the Madeira HQ range, check the backing finder with product details and article numbers.

Useful accessories for your embroidery routine



Beyond industrial threads and backings, we offer a selection of helpful tools to make your everyday life as a professional embroiderer easier. Discover a comprehensive selection of technical embroidery aids that are available to order together with your consumables from Madeira: your one-stop shop for everything you need for embroidery.

- needles
- scissors
- machine tools
- embroidery tools













Quality embroidery needles



Depending on the subsidiary or partner, we offer a quality selection of needles for industrial embroidery machines, from small 60/8 standard needles to large needle eye versions and hard coating special application needles. Check in your webshop and on the local websites for more details or contact your Madeira distributor for availability.

MADEIRA Embroidery Thread	Recommended Needle	Art. No.	Needle system: DBxK5					130/705 H		
										
Classic No. 60 Polyneon No. 75, 60, 40 Polyneon FR Frosted Matt No. 40	Nm 60/8 Brother PR 60/8	021060R	●							
		021060RG		●						
		022060RG					●			
		021060HR			●					
		024060RG					●			
Classic No. 60, 40 Polyneon (Green) No. 60, 40 Polyneon FR Frosted Matt No. 40 FS No. 50, 40 CR No. 40 Sensa Green, Monolon	Nm 65/9 Brother PR 65/9	021065R	●							
		021065RG		●						
		022065RG					●			
		021065HR			●					
		024065RG						●		
Classic No. 40 Polyneon (Green) No. 40 Polyneon FR FS No. 50, 40 CR No. 40 Frosted Matt No. 40, 30 Sensa Green	Nm 70/10 Brother PR 70/10	021070HR			●					
		021070RG		●						
		022070RG					●			
		024070RG						●		
Classic No. 40, 30 Polyneon (Green) No. 40 Polyneon FR Frosted Matt No. 40, 30 FS No. 50, 40 CR No. 40 Fire Fighter No. 40 Sensa Green, Luna, Reflect	Nm 75/11 Brother PR 75/11 Brother PR -ET 75/11	021075R	●							
		021075RG		●						
		022075RG					●			
		021075HR			●					
		024075RG						●		
		024075SES								●
Fire Fighter No. 40 Luna CR No. 20 Frosted Matt No. 30 Reflect	Nm 80/12 Brother PR 80/12	021080RG		●						
		022080RG					●			
		021080HR			●					
		024080RG						●		
FS No. 30 CR No. 20 Supertwist No. 30 Reflect	Nm 90/14 Brother PR 90/14 SAN®8 FFG 80/12 (for fine fabrics: thinner needle with large eye)	021090R	●							
		021090RG		●						
		021090HR			●					
		024090RG						●		
		023080HR			●					
Burmilana No. 12, CO Classic No. 12 FS No. 20	Nm 100/16 Brother PR 100/16 Brother PR 100/16	021100RG		●						
		021100FG				●				
		024100RG						●		
		024100SUK							●	



Embroidery tools

Store, protect or maintain – here you can find your ideal tools to ease your everyday embroidery life.

Seam ripper
Art. No. 020N9469



Handy multi-purpose tool for removing embroidery stitches, seams or backings. Sharp blade, security ball and protective lid.

Adhesive sprays
Art. No. 025MSAN



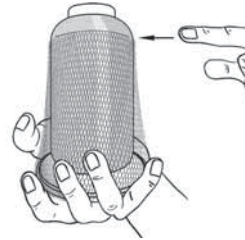
Sprays for temporarily fixing appliqué fabrics, 3D foam or backings that can't be framed to the fabric.
Content: 350 g

Cone holder
Art. No. 050CO18



Solid wood holder for 18 cones. Can be stacked, therefore you will have always your most important colours available.

Cone nets
Art. No. 050NET



Elasticated cone net to improve the running performance of metallic threads on your machine.

Tension gauges
Art. No. 050GAUGE



Always get your thread tension right by using a bobbin or top thread thread gauge. Additional analogue or digital versions available.



Please note that the assortment might vary depending on local availability.



Machine tools



Oil pen
Art. No. 050PEN



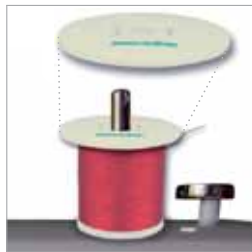
Access difficult-to-reach parts of your machine for precise oil application. Reuse your oil pen as often as you want: refillable with your standard embroidery machine oil.
Content: 7.39 ml

Oil spray
Art. No. 025LB5VD



High performance spray for around 3,600 applications. For needle bar drive, connecting rod, axial bearings and sintered bushing / felt rings.
Content: 300 ml

Spool tops
Art. No. 050TOP



Improve the usability of embroidery spools by increasing the unwinding diameter of the standard spools.

Cone & spool holder
Art. No. 050SPCON



Placed on the top of your machine, it allows you to switch easily from disc spools to cones.



Please note that the assortment might vary depending on local availability.



Scissors

Madeira offers embroidery scissors in different shapes & sizes. What they have in common is the high precision cut right up to the point and the use of the best materials. They fulfil even the highest requirements and ensure long-term durability.

High-quality embroidery scissors, 22 carat gold-plated, free from nickel and thus kind to the skin

Curved Embroidery Scissors

Art. No. 020N9476



The curved point allows a precise and safe cut without damaging the fabric. Ideal for removing connecting stitches.

Double Curved Embroidery Scissors

Art. No. 020N9478



Allows you to reach areas that are not easily accessible, such as the presser foot. The double curve shape holds the fingers away from the fabric.

Straight Embroidery Scissors

Art. No. 020N9477



The standard scissors for all cutting work at the embroidery machine.

Special Scissors (FIRE FIGHTER)

Art. No. 020N9495



To cut backings made of aramid smoothly. Standard scissors do not cut such special backings very well and soon become blunt.

The professional chromium-plated steel embroidery scissors

Curved Precision Embroidery Scissors

Art. No. 020N9491



The particular shape at the top of the scissors ensures trouble-free work on the frame. The curved points prevent fabric and embroidery damage.

Appliqué Scissors

Art. No. 020N9493



Precision scissors for appliqué, trimming and quilt work. The shaped 'bill' prevents damage to the fabric or appliqué.

Thumb Grip Snips

Art. No. 020N9492



Indispensable for many fabric work where precision is required. Automatic spring-back to the initial position, and an ergonomic shape.

Snips

Art. No. 020N9494



For a quick and clean cut. Automatically springs back to its starting position and has a blade made of hardened steel.

Service & Support



Always close to you, we're permanently improving our service and support to offer you the best embroidery experience possible.

- stitch density
- care instructions
- online services
- benefits



New *how-to* section with best practice tutorial videos at madeira.com/best-practice



Stitch density

Due to the different thread weights, the stitch density needs to be adjusted while digitising. Also, it might be that different needle sizes have to be used on the embroidery machine.

The following overview shows which stitch density and which needle sizes are suitable for which embroidery thread. Only the right combination of both stitch density and needle size will lead to a satisfactory embroidery result.

THREAD TYPE	STITCH DENSITY based on 1/10 mm	STITCH DENSITY based on 1 mm	NEEDLE SIZE
Sensa Green	3.7	0.37	65/9 - 75/11
Classic 60	3.5	0.35	60/8 - 65/9
Classic 40	4.0	0.40	65/9 - 75/11
Classic 30	5.0	0.50	75/11
Classic 12	8.0	0.80	100/16
Polyneon Green 40	4.0	0.40	60/8 - 75/11
Polyneon 75	2.0	0.20	60/8
Polyneon 60	3.5	0.35	60/8 - 65/9
Polyneon 40 / FR	4.0	0.40	60/8 - 75/11
CR 20	7.0 - 8.0	0.70 - 0.80	90/14, San®8 FFG 80/12
CR 40	3.5 - 4.0	0.35 - 0.40	65/9 - 75/11
FS 50	3.5	0.35	65/9 - 75/11
FS 40	4.0	0.40	65/9 - 75/11
FS 30	5.0	0.50	90/14, San®8 FFG 80/12
FS 20	8.0	0.80	100/16
Supertwist 30	6.0	0.60	90/14, San®8 FFG 80/12
Burmilana 12 / CO	9.0	0.90	100/16
Frosted Matt 40	3.0 - 4.0	0.30 - 0.40	60/8 - 75/11
Frosted Matt 30	5.0 - 6.0	0.50 - 0.60	70/10 - 80/12
Luna	4.0 - 5.0	0.40 - 0.50	75/11 - 80/12
Fire Fighter 40	4.0	0.40	75/11 - 80/12
Reflect	4.5	0.45	75/11 - 90/14

All tips are only to be considered as rough guidelines and may vary depending on the fabric to be used and on the effect to be achieved. Monolon and HC threads are for special and technical usages, therefore such values are not relevant for them.

Guidelines for underthread use:

For standard length stitches, the general rule for underthread requirement is around 3 m per 1000 stitches.

Upper thread: You can expect approximately 5 m per 1000 stitches.

Correct thread tension:

Perfectly tensioned embroidery with standard-length stitches should have around one third of the underthread visible on the reverse side of the fabric.



Care symbols



Care instructions for embroideries

Embroidered articles must never lie on top of each other or be pressed together when they are damp or wet.

The embroideries can be ironed on the reverse side or between two protective cloths.

Washing						
	Washing temperature max. 95°C (normal process)	Washing temperature max. 60°C (normal process)	Washing temperature max. 60°C (mild process)	Washing temperature max. 40°C (normal process)	Washing temperature max. 40°C (mild process)	Washing temperature max. 40°C (very mild process)
	Washing temperature max. 30°C (normal process)	Washing temperature max. 30°C (mild process)	Washing temperature max. 30°C (very mild process)	Washing temperature max. 40°C (hand wash)	Do not wash	
	Any bleaching agent allowed!	Only oxygen bleach possible! No chlorine bleach!	Do not bleach!			
Drying						
	Tumble drying possible. Normal temperature. Maximum exhaust temperature 80°C.	Tumble drying possible. Drying at lower temperature. Maximum exhaust temperature 60°C.	Do not tumble dry!			
Iron at a maximum soleplate temperature of 200°C.	Iron at a maximum soleplate temperature of 150°C.	Iron at a maximum soleplate temperature of 110°C without steam. Steam ironing can cause irreparable damage!	Do not iron!			
Professional textile care (dry)						
	Professional dry-cleaning in: perchloroethylene, hydrocarbons. Commercial stain removers on a solvent base may be used with some restrictions. (normal cleaning process)	Professional dry-cleaning in: perchloroethylene, hydrocarbons. Commercial stain removers on a solvent base may be used with some restrictions. (mild cleaning process)	Professional dry-cleaning in: hydrocarbons. Commercial stain removers on a solvent base may not be used. (normal cleaning process)	Professional dry-cleaning in: hydrocarbons. Commercial stain removers on a solvent base may not be used. (mild cleaning process)	No dry-cleaning possible!	
	Professional wet cleaning! (normal process)	Professional wet cleaning! (mild process)	Professional wet cleaning! (very mild process)	No wet cleaning possible!		

The letters in the circle are primarily intended for the chemical cleaners. They provide information about the permitted solvents. The bars below the circle mean that the mechanical strain during cleaning, the added moisture, soaking and/or drying temperatures must be reduced.

The symbol for wet cleaning is used for items that can be treated in a wet cleaning procedure in water. The requirements for the machine equipment, tools needed and finishing methods cannot be achieved by the parameters of a household washing machine.



24/7 online services

WEBSITE: www.madeira.com

Find all relevant information at a glance on our newly designed website.

WEBSHOP

Available in many countries, Madeira subsidiaries or our distributors offer convenient state-of-the-art online shopping for products and services. Check your regional shop or contact us for support.



Social Media



Facebook channels help you to discover what's going on.

Instagram provides embroidery inspiration and ideas.

YouTube hosts our tutorials, educational videos and webinars.

Madeira APP

Discover our app with digital shadecards and direct shop access

Available for  

Benefits to get the most out of your embroidery

Where to find more support to create great embroidery designs

How-tos and FAQ

Find many answers and our practical how-to guides now online and for download at madeira.com/service-support

POLYNEON 40, Fb. 1977

POLYNEON 40, Fb. 1924

POLYNEON 40, Fb. 1922

POLYNEON 40, Fb. 1984

POLYNEON 40, Fb. 1851

Stitches: 15735
Colours: 8
Needle: 60/8
Backing: WEBLON

Embroidery support

Looking to solve embroidery problems or to optimise your designs? We're always striving to help you. Please check first with your local distributor to see which support is available regionally. Many Madeira subsidiaries and partners can offer professional consulting.

If you need further help, contact us at service@madeira.com by sending us an e-mail with an exact description of your problem. We will contact you to discuss how to proceed.

Got a special request? Don't worry!

Simply fill out our web form on madeira.com/contact or send an e-mail to sales@madeira.com and tell us what you need.

We're happy to find a solution!



MADEIRA

always close to you



CONTACT

- WORLDWIDE -

For any further product details and information contact
info@madeira.com

madeira.com | shop.madeira.com

