



# WAX ROLLS FOR YOUR SUCCESS

*Yarn yearns for the one and only*

**100 YEARS**  
**BEST WAX OF**  
**THE WORLD**

**Reseda Binder®**





# SMALL BUT EFFECTIVE

*Wax application like a dream*

A NATURAFIN roll seems insignificant at first. It is easy to overlook that this is a high-tech product. For not only is it 100% environmentally compatible, it is also a reliable problem-solver and offers protection against production rejects and machine failure. But these are just a few of the benefits that set our wax rolls apart from the rest.

**Reseda Binder<sup>®</sup>**

*The solving wax*



# 100 YEARS BEST WAX OF THE WORLD

# The story of a company: WORLDWIDE SUCCESS WITH WAX

When the Reseda factory opened in Konstanz by Lake Constance 100 years ago, on 1st August 1913, nobody could have guessed that this was to be the launch of a world-wide career and the beginning of the "Reseda dynasty". Richard Binder from Ebingen was the founder of this company that is familiar to textile manufacturers all over the world. Textile manufacturers and specialists are unanimous: "Reseda is the best wax in the world". Now the family concern Reseda Binder is one hundred years old, and can look back on a success story with tradition.

## Tradition and innovation: a brief history.

### 1913

On 1st August, the Reseda works are opened by Richard Binder from Ebingen

### 1916

Move to Mazmannstraße in Ebingen

### 1949

Annual production of wax rolls is 5000 kg

### 1958

Armin Binder takes over management

### 1966

World-wide export to Western Europe, South America and Asia

### 1968

Annual output is 250,000 kg

### 1984

Raw materials warehouse expanded by 150 tonnes

### 1988

Siegfried Binder takes over management / optimisation of production technology

### 1993

Certification to Ökotex standard (continuous to the present day)

### 1995

Formation of "Reseda Italia" through acquisition of two competitors

### 1996

Spanish competitor is taken over by Reseda

### 2000

The 4th generation of the family joins the company in the person of textile engineer Michael Binder

### 2001

Second factory in Albstadt goes into operation

### 2003

The "Waste Watcher®" line of products is patented

### 2012

Development and marketing of our own friction level tester

# HIGH- PERFORMANCE WAX ROLLS



# NATURAFIN: THE BEST WAX IN THE WORLD



Wax rolls by Reseda are manufactured to particularly high-level standards. The name NATURAFIN stands for consistently high quality with many benefits for the yarn application process. It is not only our special manufacturing process that makes our quality unique but it is the inherent characteristics that make Reseda Binder a global market leader, essentially down to the secret formula used. The quality of these exceptional products has been shaped by tradition and innovation.

Paraffin mixtures that are individually and perfectly formulated to suit customers' special yarns satisfy our clients all over the world. Our fully automated production process guarantees consistent quality, precise dimensions and excellent melting qualities. Consequently, even when demand is high, we can still guarantee prompt delivery for an extremely wide range of standard qualities.

## Reseda NATURAFIN has many different properties. These are just our standard blends:



### NATURAFIN YELLOW

For cotton, wool, man-made fibre yarns and mixes of these.



### NATURAFIN GREEN

For cotton, wool, viscose, polyacrylics and mixes of these. High paraffin application.



### NATURAFIN RED

For yarns that are bleached or dyed after paraffin application. **Emulsifiable.**



### NATURAFIN BLUE

For coarser yarns, yarns with a low twist, hosiery yarns and worsted yarns.



### NATURAFIN ORANGE

For fine and very fine yarns, cotton, wool, artificial fibre yarns and mixes of these.



### NATURAFIN WHITE

Garnetted stock, cotton and cotton mixes, fine wool yarns.

# IT'S ALL IN THE FORMULA!

The particular ingenuity of our paraffin rolls lies in their manufacturing process and in the high quality formula we use. These factors give the wax its special qualities. The smooth "Reseda secret" is there for you to try. The high purity of our paraffin, free of foreign particles and air bubbles, is achieved using a special casting process.

So the thread never breaks:  
**RESEDA STANDS FOR YOUR  
SUCCESS IN PRODUCTION**




**Helen Binder**

Quality is always the result of high intention, sincere effort, intelligent direction and skilful execution; it represents the wise choice of many alternatives.  
(Based on William A. Foster)

Wax rolls by Reseda Binder are distinguished by a particularly low paraffin consumption and even distribution along the yarn. The wax is free of air bubbles and has a remarkably high degree of purity. What is more, our rolls let manufacturers achieve high machine efficiency thanks to extraordinarily low friction levels. In short, Reseda Binder wax rolls save time and money.





Greater **machine efficiency**  
in knitting thanks to optimum  
friction levels

Greater **machine efficiency**  
and **productivity** in spinning

**Protection**  
against paraffin deposits

**Even,**  
specific application

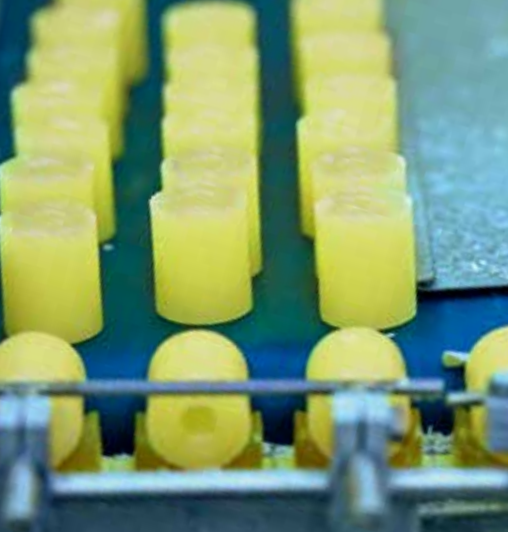
Perfect  
**dimensional accuracy**  
of rolls

**Washes out**  
easily and completely

**Eco passport**  
certified since 1993

Higher  
**needle lifetime**  
in knitting

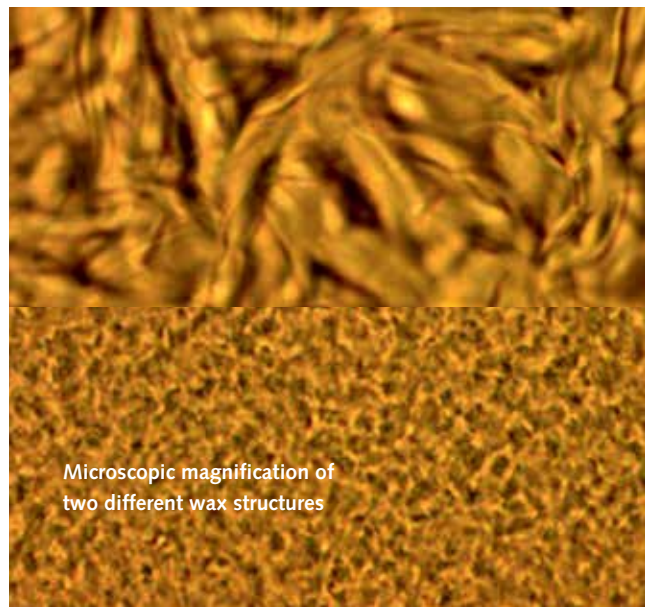
Ultimate **purity**  
and melting qualities



# SMOOTH PERFORMANCE

Every year, millions of wax rolls are manufactured by fully automated production at our factories. Every roll has exact dimensions and optimum melting qualities. We also manufacture to formulae that are tailor-made to meet customer requirements perfectly.

Materials as varied as cotton, wool, rayon staple, mixed yarns or dyed yarns need paraffin that suits their individual characteristics. The important characteristics for NATURAFIN rolls are melting point, oil content and the penetration level, which denotes the hardness of the paraffin.



Microscopic magnification of two different wax structures

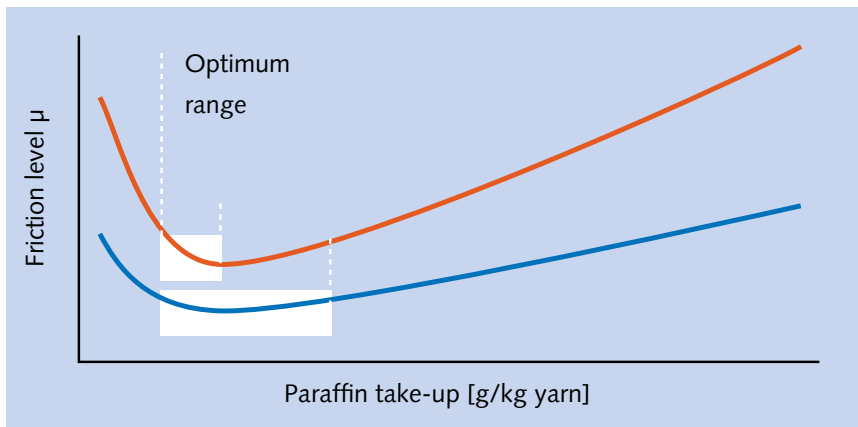
# The best for your production: QUALITY MADE IN GERMANY

The purpose of our products is to reduce the friction level of yarns as far as possible. To help achieve optimum levels, Reseda Binder offers a range of different types that are tailored to suit production conditions in extremely different environments worldwide. Consequently, not only the yarn number or yarn quality is important: the room temperature and the humidity in the winding hall are also decisive factors for the smoothest possible winding results.

Permanent test series and research in cooperation with renowned textile machine manufacturers and laboratories ensure that special paraffin types are matched perfectly to machine characteristics and ambient conditions.

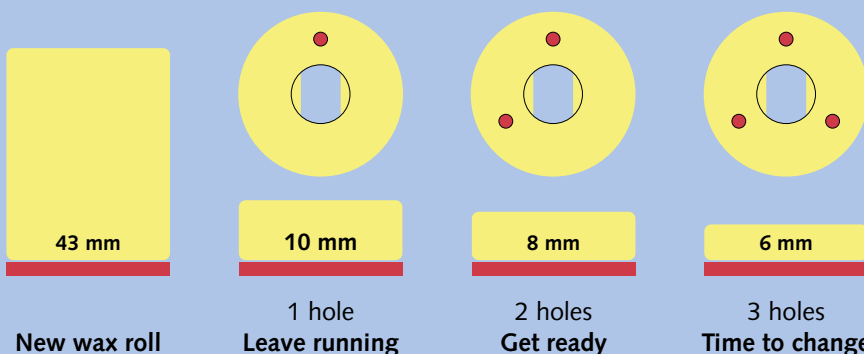


Yarn wax application is particularly effective with an even application.



The paraffin application curve shows the ratio between the friction level and take-up by different materials such as  
■ man-made fibres or  
■ cotton yarns.  
 The white area shows the optimum ratio.

## Waste Watcher<sup>®</sup> – the watchful wax roll.



Simple but brilliant: the innovative holes show when it is time to change the roll. This patented method of simplifying checks saves time and it also saves money.

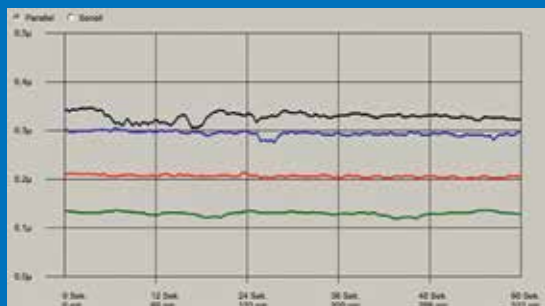
# Yarn runs smoothly: INNOVATIONS ARE OUR TRADITION



Michael Binder,  
Textile engineer

Here at Reseda Binder we place great value on the continuous optimisation of our products. For this reason, we work hand in hand with renowned textile research institutes and machine manufacturers Rieter and Schlafhorst.

Apart from our patented **WasteWatcher®**, we have also developed our own friction level meter which can be used to calculate the optimum paraffin application for any type of yarn or yarn quality. The friction levels are calculated electronically and accurately, and can be analysed directly on the practical touch screen. Under-waxing and over-waxing with paraffin should therefore now be a thing of the past. Our other new product developments include steam wax paraffins that offer numerous benefits for the production process.



■ Optimum wax application   ■ Over-waxed yarn  
■ Under-waxed yarn   ■ Unwaxed yarn

## Friction tester

Reseda Binder is not just a supplier, we are also a technology developer. Our friction level tester determines the ideal paraffin formula by measuring yarn friction levels.

# NATURALLY GLOBAL



## Biodegradable: GOOD FOR NATURE

Here at Reseda Binder we recognise our responsibility for the environment. Our product NATURAFIN is the first paraffin roll world-wide to be awarded ecological certification and the „Eco passport“ by Swiss testing laboratory Testex. NATURAFIN is completely biodegradable and totally free of impurities (such as formaldehyde or heavy metals).



TESTEX®

These features also have important benefits for the production process, because NATURAFIN can be washed out completely. NATURAFIN's value lies in its results, with better colour consistency and improved quality of knitted fabrics.

# The right wax FOR EVERY TYPE OF YARN

<i>Quality</i>	<i>Melting point (°C)</i>	<i>Penetration</i>	<i>Comment</i>
NATURAFIN® Yellow	60 – 62	12 – 14	
NATURAFIN® Green	59 – 61	19 – 21	
NATURAFIN® Red	56 – 58	22 – 26	
NATURAFIN® 113/2 orange	64 – 66	11 – 13	
NATURAFIN® White	59 – 60	15 – 17	
NATURAFIN® Blue	56 – 58	24 – 26	

Reseda Binder® can supply wax rolls for all machine types used for waxing yarn with the optimum paraffin specifications and paraffin qualities. The penetration value describes the penetration depth of a test needle (in tenths of a millimetre). We colour tint our paraffin types to distinguish the different wax qualities. The colours used do not have any effect on the appearance of finished products.



# WORLDWIDE WAX FOR WINNERS



Siegfried Binder

All over the world we enjoy a good reputation for our excellent advice. Whether this concerns special machine types or problematic yarns, our consultants have the answer. Textile manufacturers and specialists in all manufacturing countries of the world have relied on Reseda Binder for decades. Reliable partnership, fast and flexible delivery, world-wide service and more than 110 different types of wax, as well as tailor-made wax formulae – all this speaks for itself.

**Reseda Binder**

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BEST WAX OF  
THE WORLD**



**Reseda Binder®**