



FOR
sustainable
CLEAN SOLUTIONS

For Norafin, the use of renewable raw materials is a crucial component in our sustainable production chain. Our brand **Norafin® ECOLINE** comprises cleaning wipes which consist of renewable and recyclable raw materials. For our nonwovens, we prefer the use of VEOCEL™ or natural fibers to support the production of biodegradable wipes. Thus, Norafin clearly avows to the climate protection of our planet.



The mark of
responsible forestry
FSC™ C140662



Purely for you
VEOCEL™ is a trademark
of Lenzing AG



STANDARD
100

16.0.90034
Hohenstein HTTI

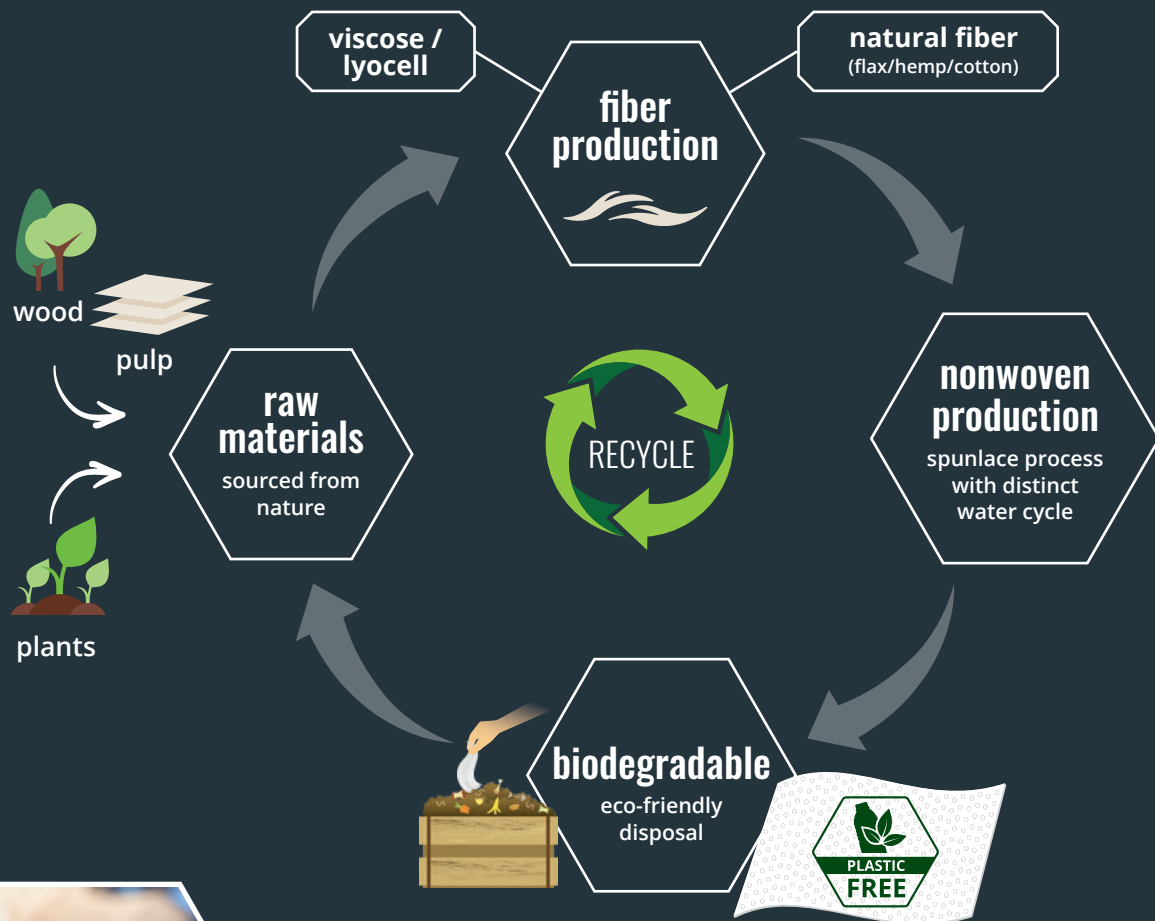
www.oeko-tex.com

ISEGA



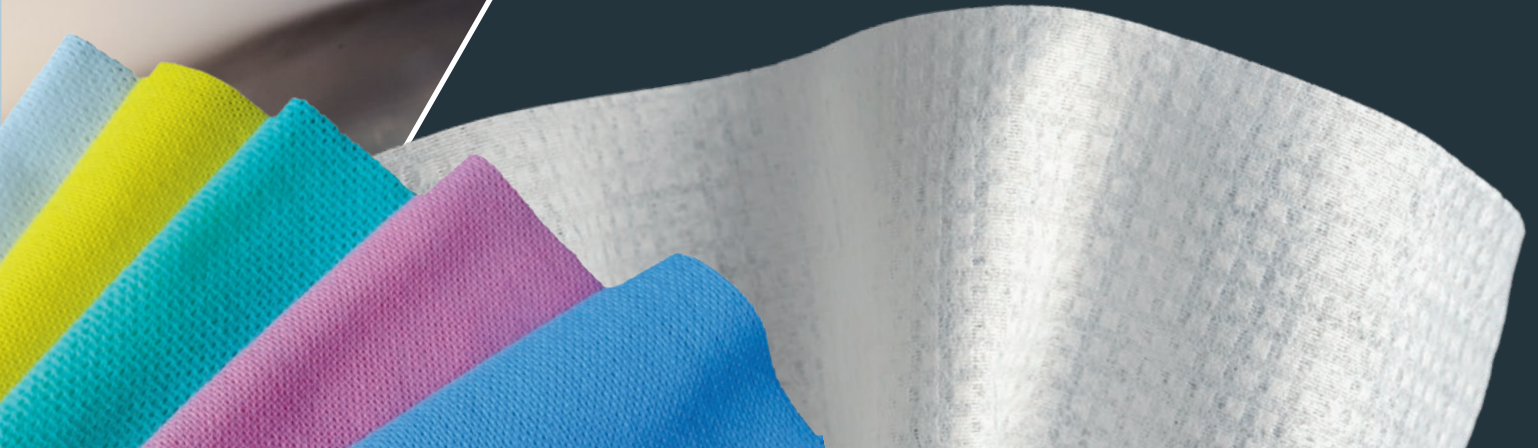
- ✓ **various colors**
intensive and fade-resistant
- ✓ **different structures:**
fine, coarse, extra coarse,
or embossed
(Norafin 3D PERFORMANCE®)
- ✓ **weight range**
between 30 – 200 g/m²
- ✓ **biodegradable and
recyclable**

* Please note: The indicated product is only
one sample of our wide product range.



What is hydroentanglement?

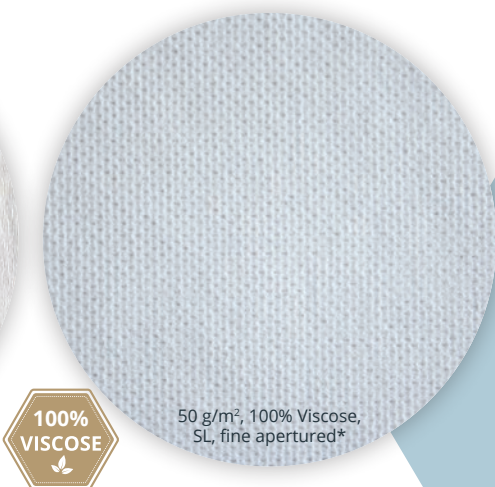
During spunlacing, a homogeneous, intertwined textile structure is created by means of water jets. This nonwoven can be produced in various structures by using different drums. Two autonomous carding machines enable us to combine two different nonwoven layers.



Sustainable NONWOVENS

Thanks to the combination of our internal technology we succeeded in developing our unique **Norafin KOMANDA®**-technology, which gives unique performance characteristics to our nonwovens. The resulting wipe solutions are highly tear-resistant, resist many industrial washes without performance loss and therefore, can be reused several times.

Norafin 
KOMANDA



- ✓ **less raw material for the same volume** through special production process
- ✓ **various colors, structures, and weights**
- ✓ **durable and multiply reusable** through Komanda technology

* Please note: The indicated product is only one sample of our wide product range.

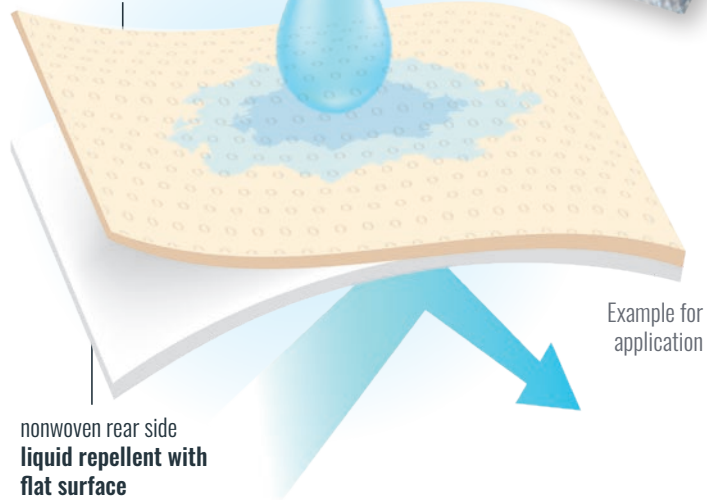
Our DUO-TWIST

2 applications – 1 solution

Our multi-functional nonwoven is a particularity of our product range because it combines two functions in one wipe.

Through hydroentanglement, we combine two nonwoven layers with different properties and get a strongly bonded technical textile. An additional adhering is not necessary. The functional layers of our Duo-Twist wipe can differ in structure, color, weight, or fiber composition.

nonwoven top side
**liquid absorbent with
surface structure**



Possible wipe solutions:

Cleaning | Polishing

Hydrophylic | Hydrophobic

Roughening | Planing

Oiling | Removing

2 - color solution



* Please note: The indicated product is only one sample of our wide product range.

**YESTERDAY
TODAY
TOMORROW**

For a sustainable life.

**We develop
sustainable, ecological
and degradable solutions.**

**Pay attention to our Brand
Extra Organic on our products.**



Norafin Industries (Germany) GmbH
Gewerbegebiet Nord 3
D-09456 Mildenau
Phone +49 3733 5507 0
info@norafin.com
www.norafin.de

