



Watch our product video!

# Transpatec®

Innovation that drives success

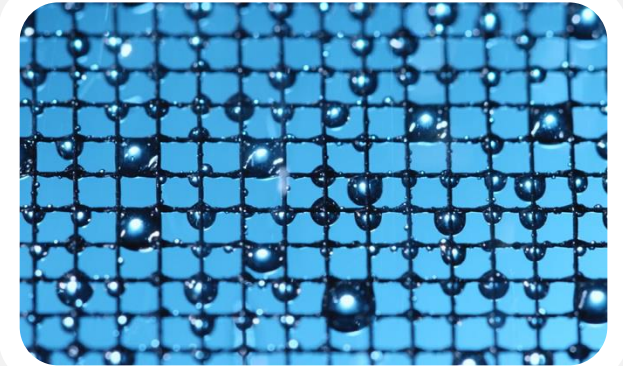
# What sets us apart



Our fabric is **80% open**, exceeding the industry standard by 15% and the best fiberglass fabric by 7%. This ensures a well-ventilated environment.



Despite the open structure, our screens are **more durable**, thanks to an additional, binding thread.



Our fabric is **naturally dirt-repellent**, allowing rain and airflow to wash away dust and dirt.

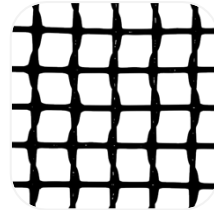


## Our patented fabric\*



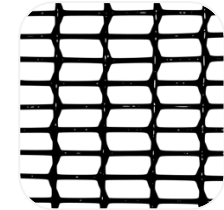
**Transpatec® Ultimate|TP**  
(Art. No.1258)

Our Ultimate fabric provides maximum light transmission and air permeability.



**Transpatec® Fine|TFM**  
(Art. No.1260)

Transpatec® Fine offers additional protection against small insects.



**Transpatec® Pollen|TFP**  
(Art. No. 1257)

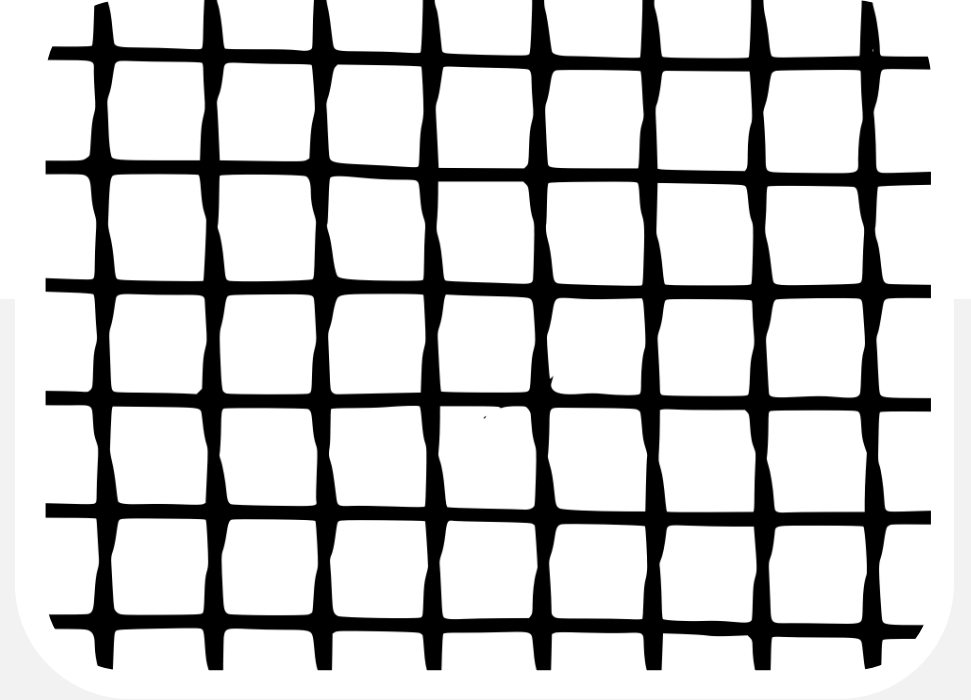
Transpatec® Pollen features a triboelectric coating for enhanced pollen protection.

## Transpatec® Ultimate | TP (Art. No. 1258)



Warp and weft threads ( $\varnothing$  0.13 mm) are secured with an ultra-fine binding thread ( $\varnothing$  0.06 mm), creating a unique fabric structure that enhances both performance and durability.

<b>Color</b>	Black
<b>Thread Diameter</b>	0.13 / 0.15 mm
<b>Mesh Size</b>	1.27 × 1.34 mm (20 × 19 mesh/inch)
<b>Binding Thread</b>	0.06 mm
<b>Open Fabric Area</b>	80%
<b>Air Permeability</b>	3.2 m/s at 0.12 mbar $\Delta$ p (zero value of the testing facility 0,10 mbar)

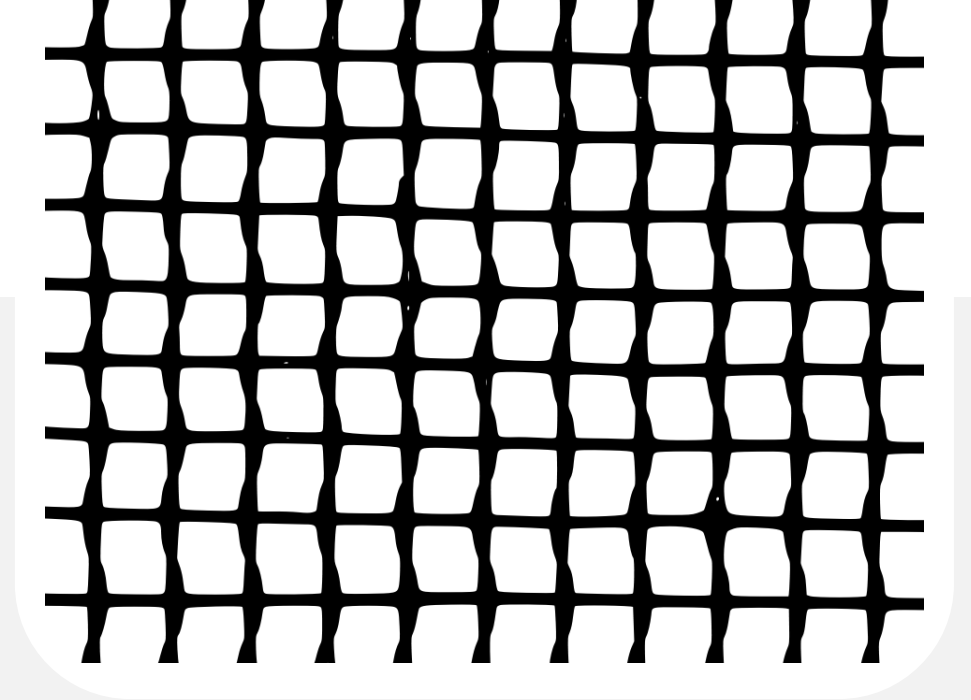


## Transpatec® Fine | TFM (Art. No. 1260)



With the same structure as our classic Transpatec®, this fine-mesh version offers reliable protection against even the smallest insects, including gnats, blackflies, sandflies, and no-see-ums.

<b>Color</b>	Black
<b>Thread Diameter</b>	0.13 / 0.15 mm
<b>Mesh Size</b>	0.70 × 0.70 mm (36 × 36 mesh/inch)
<b>Open Fabric Area</b>	65%
<b>Air Permeability</b>	3.2 m/s at 0.15 mbar $\Delta p$ (zero value of the testing facility 0,10 mbar)

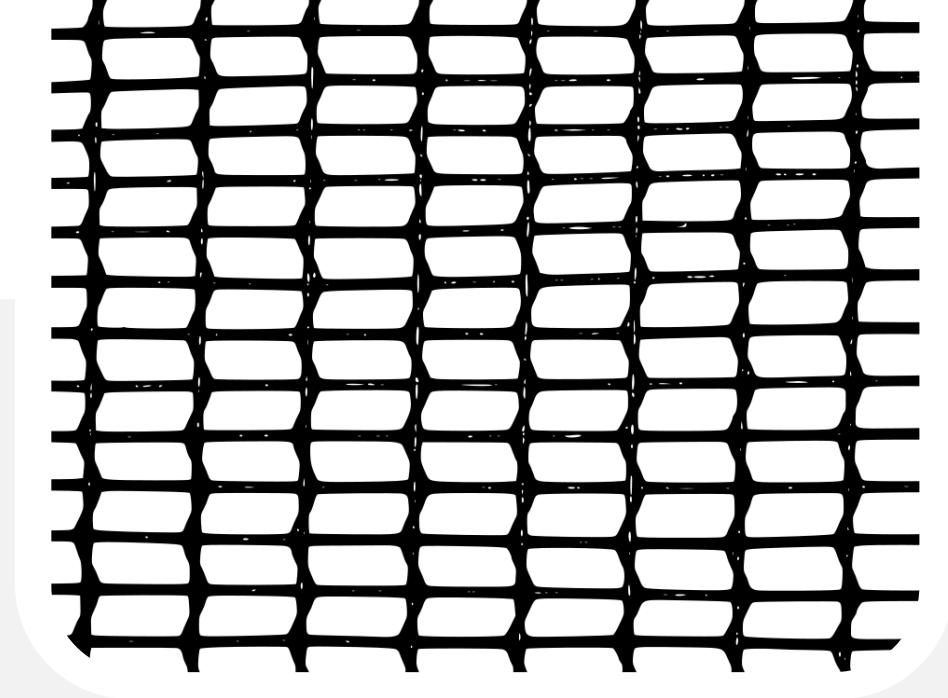


## Transpatec® Pollen|TFP (Art. No 1257)

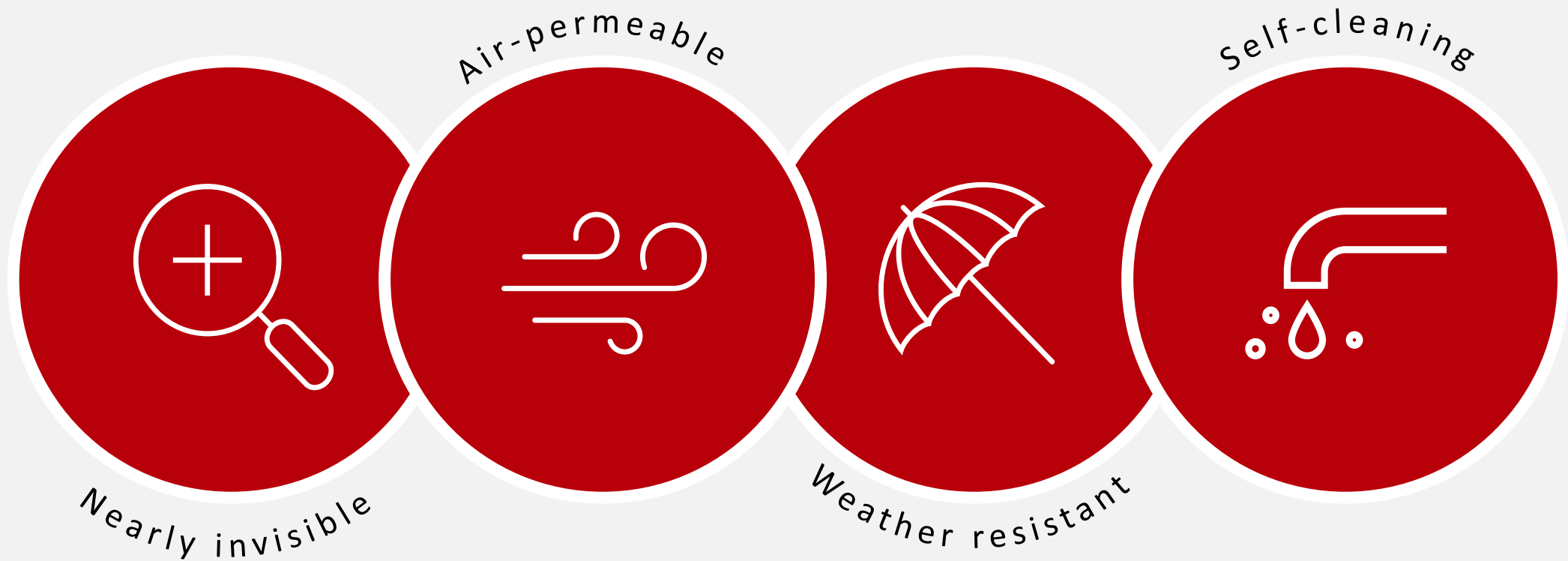


Built on the proven Transpatec® fabric structure, this type features a triboelectric pollen protection coating and an optimized mesh size. It provides superior protection with high airflow and visibility.

<b>Color</b>	Black
<b>Thread Diameter</b>	0.13 / 0.15 mm
<b>Mesh Size</b>	1.27 × 0.56 mm (20 × 45 mesh/inch)
<b>Open Fabric Area</b>	65%
<b>Air Permeability</b>	3.2 m/s at 0.15 mbar $\Delta p$ (zero value of the testing facility 0,10 mbar)



# Advantages



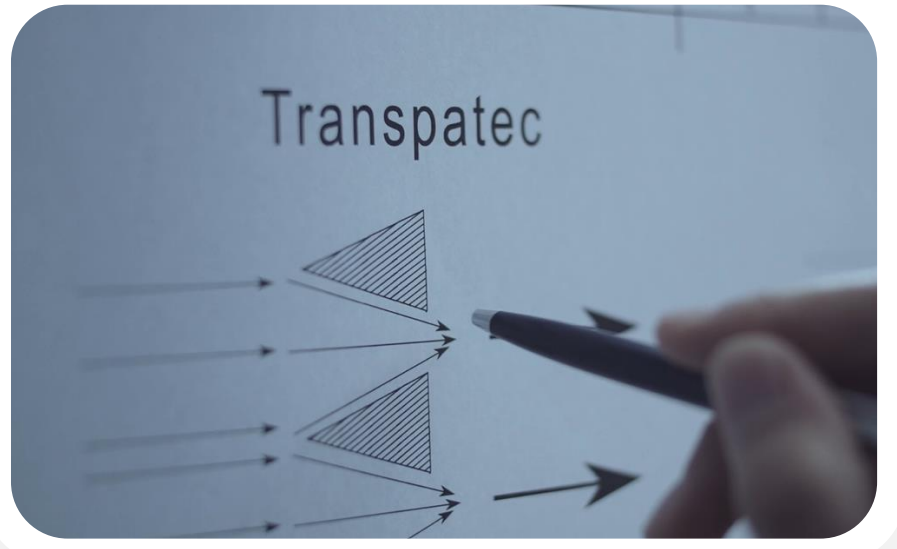
## Exceptionally transparent

- > An 80% open fabric structure enables optimal light transmission, far exceeding the 65% industry standard.
- > The black color of the fabric enhances contrast and visual clarity.
- > Light refraction from the binding thread reduces mesh visibility.
- > Precise mesh alignment ensures uniformity and minimizes distortion.



## Remarkably air-permeable

Transpatec® delivers approximately 140% higher air permeability than standard fiberglass fabric.



- > With 80% of its surface open, the fabric allows for free airflow, minimizing resistance and supporting effective ventilation.
- > The textile is engineered with a precise thread pattern that guides airflow smoothly across the surface, preventing vortex formation.

Material	Differential Pressure*
Transpatec	0.12 mbar
Standard fiberglass	0.17 mbar

# Weather and tear resistant

Transpatec® offers significantly higher durability compared to standard fiberglass fabric as shown after a 5-year weathering simulation.\*



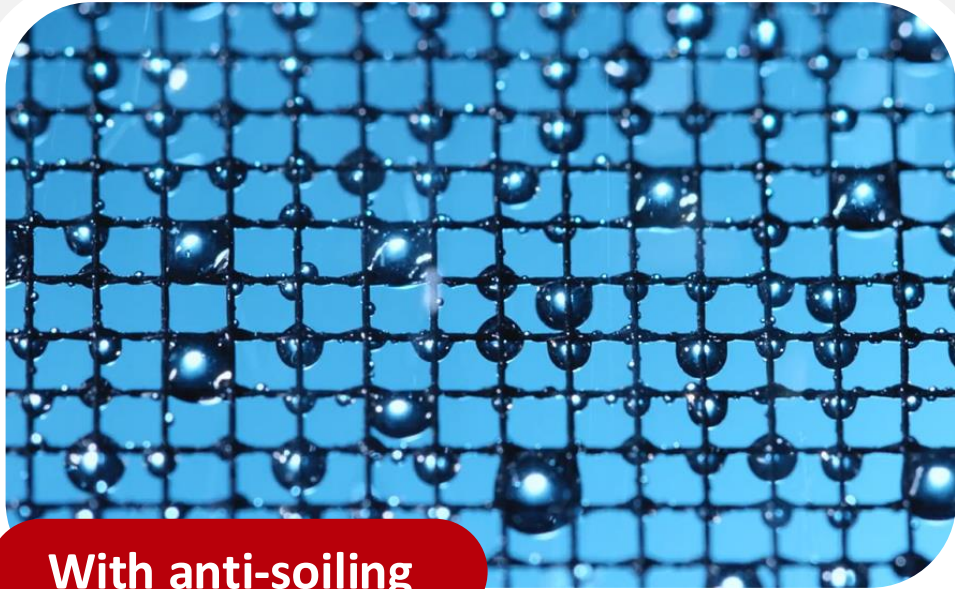
**Transpatec® after 5-year weathering simulation**

- Tear resistance: 123 (N/25 mm)
- Smooth surface
- No weathering marks visible



**Fiberglass after 5-year weathering simulation**

- Tear resistance: 76 (N/25 mm)
- Fiberglass partially visible
- Cracks in PVC coating



**With anti-soiling**

## **Naturally dirt-repellent**

Transpatec® is available with an optional anti-soiling coating that allows rain and airflow to naturally wash away dust and dirt. This keeps the mesh cleaner for longer and reduces maintenance.

# Our story

**01** Founded in 1836, Ettlín is one of Germany's oldest textile manufacturers. With nearly 200 years of experience, we continue to evolve by combining deep-rooted craftsmanship with modern textile manufacturing tech.

**02** For years, we have partnered with Neher, Europe's market leader in insect screen systems. This collaboration merges textile expertise with smart system design to create solutions that push industry standards.

**03** Transpatec® was launched in 2012 after six years of joint development. Its patented weave makes it highly durable and nearly invisible, setting a new standard for insect screens.

**04** Transpatec® has quickly become the leading insect screen fabric in the high-end market segment throughout Europe.



## Our quality standard



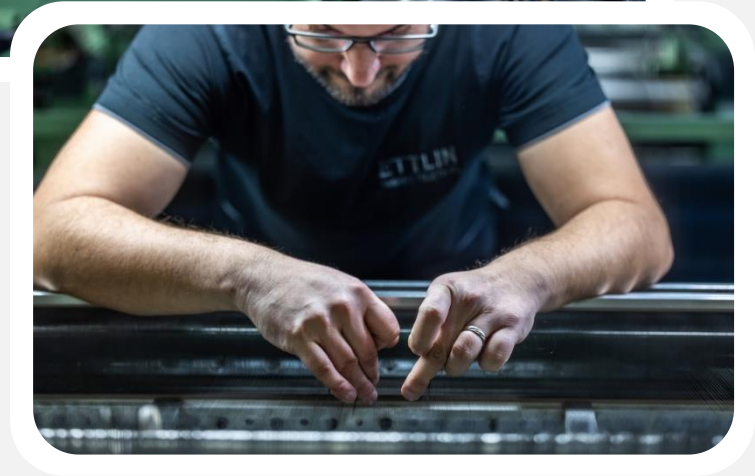
Our fabric is made using a 4-step water-based coating process, free from organic solvents and plasticizers, and is compliant with OEKO-TEX® STANDARD 100.



All Transpatec® products are manufactured exclusively in Germany, ensuring superb quality and traceability.

## A trusted choice

- > 90% of consumers choose Transpatec® over conventional screens for its superior quality, making price a secondary concern.
- > Compared to competitors' fabrics, Transpatec® offers sellers much higher profit margins.



# Contact



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