



# The Trevira Passport to the Future<sup>+</sup>

FOR A PLUS IN SUSTAINABILITY



# Conscious of the environment, sparing in the use of res

## HOW TREVIRA SETS OUT THE WAY TO A GREEN FUTURE



For those wanting to be fit for the future it can never be too soon to start conserving our natural resources. So this is not something Trevira is only starting to do now. In its product development and selection of materials it uses, in its production processes and through to recycling waste material, Trevira has constantly sought to spare the environment and to maintain natural resources.

All Trevira specialties are based on the same principle: The functions at work in the textiles are already firmly anchored in the fibres and yarns of Trevira. The result is that their users and end consumers do not have to work with finishes that are a burden on the environment. This “inbuilt sustainability” always makes for a good feeling with Trevira products.

## How we make sparing use of resources:

### Water resource



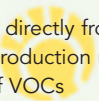
- Saving cooling spring water by using air-cooled water circulation systems
- Less impact on treatment plants by separate conductance of waste water and cooling / rain water
- Avoidance of toxic substances by avoiding finishing substances that can be washed out easily, alkylphenolethoxylates (tensides), and biozides

### Air resource



- Using new delivery vehicles that produce less exhaust fumes
- Ongoing reduction in CO<sub>2</sub> emissions
- The quantity of VOCs\* released in production lies below EU directive on allocation of eco-label

### Energy resource



- Conserving energy by spinning fibres directly from the melt product
- Saving energy by total insulation of production units
- Recouping energy by after-burning of VOCs

\* VOC = volatile organic compound

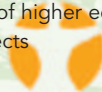
### **Material** resource

- Reusable packaging systems employed
- Downcycling of production waste
- Obtaining declarations from suppliers as evidence of the environmental compatibility of dyestuffs used



### **This is how we accept our social responsibility:**

- All employees are fully committed to a Code of Conduct
- Maintenance of company suggestion scheme
- Systematic commitment to health and safety at work
- Optimal professional training and support of new entrees by collaboration with schools and institutes of higher education
- Sponsorship of student and cultural projects



## THE FIBRE WITH INBUILT SUSTAINABILITY

### Example: Trevira CS\* – a life cycle assessment



#### **In production:**

- No use of solvents
- No use of compounds containing halogen or nitrogen
- Due to dyed polymer no dyestuff solutions require treatment at the spin dyeing stage
- No use of synthetic resins and formaldehyde

#### **In further processing and usage:**

- No chemical finish required for flame retardancy
- No additional finish necessary for easy care properties
- Trevira CS textiles achieve a working life that is more than three times longer than textiles made from cotton. Trevira CS has excellent resistance properties (colour, light, abrasion).
- 36% less consumption of water when washing Trevira CS textiles, compared with cotton materials
- Low detergent requirement with Trevira CS, due to less tendency to soil and to easy stain removal
- Compared with traditional textiles, Trevira CS materials show 39% reduction in total costs (procurement, finishing, maintenance and care).

\* Trevira CS, the brand for flame retardant fabrics

# How standards relating to quality and the environment

PRESENTING A SELECTION OF CERTIFICATES ISSUED BY PRESTIGIOUS



## Z E R T I F I K A T

Die  
**DQS GmbH**  
Deutsche Gesellschaft zur Zertifizierung von Managementsystemen  
bescheinigt hiermit, dass das Unternehmen

**Trevira GmbH**  
Max-Fischer-Strasse 11  
D-86369 Boblingen

mit den im Anhang gelisteten Unternehmensmaßnahmen

für den Geltungsbereich  
Entwicklung, Herstellung und Vertrieb von  
Trenn-Fasern und Planen

ein  
**Qualitäts- und Umweltmanagementsystem**  
eingeführt hat und anwendet.

Durch Audits, dokumentiert in einem Bericht, wurde der Nachweis erbracht,  
dass dieses Managementsystem die Forderungen folgender Normen erfüllt:

<b>DIN EN ISO 9001 : 2000</b> Ausgabe Dezember 2000	<b>DIN EN ISO 14001 : 2005</b> entspricht EN ISO 14001 Ausgabe November 2004
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Dieses Zertifikat ist gültig bis 2011-04-08  
Zertifikat-Registrier-Nr. 001710 QM UM  
Frankfurt am Main 2008-04-07

  
Aus. v. M. Drexler  
1620048710/04/08  
D-86369 Frankfurt am Main, August-Schneer-Strasse 21

  
INTERNATIONALLY CERTIFIED!  
TREVIRA!

## Quality and environmental certification

All german Trevira sites are certified by the DQS Gesellschaft and by the International Certification Network IQ Net to DIN ISO 9001 and 14001.

Requirements are met at Trevira:

US INSTITUTIONS



### Quality and environmental certification

Trevira Neckelmann A/S is certified by the Bureau Veritas to TS 16949 and ISO 14001.



**CERTIFICATE**

**Deutsche Zertifizierungsstelle Öko-Tex**  
der Internationalen Gemeinschaft für Forschung  
und Prüfung auf dem Gebiet der Textilökologie  
Frankfurter Straße 10-14 65760 Eschborn

The company  
**Trevira GmbH**  
Philipp-Reis-Straße 2  
65795 Hattersheim

is granted authorization according to Oeko-Tex Standard 100 to use the  
Oeko-Tex mark, based on our test report 07.A.00305

**CONFIDENCE  
IN TEXTILES**  
Tested for harmful substances  
according to Oeko-Tex Standard 100  
Test-No. 94.0.7598 FI Hohenstein

for the following articles:  
**TREVIRA: staple, rawwhite and spun-dyed black, TREVIRA: flat and textured filament yarns, rawwhite, spun-dyed black and spun black.**

The results of the inspection made according to Oeko-Tex Standard 100, product class I have shown that the above-mentioned goods meet the human-ecological requirements of the standards presently established for baby articles.

The certified articles fulfil the requirements of the existing European legislation regarding the use of azo-dyes.

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use the Oeko-Tex mark only in conjunction with products that conform with the sample initially tested.

**This authorisation is valid until 31.12.2006**  
Eschborn, 27.12.2007

Textil-Service-Netzwerk und Zertifizierungsstelle  
Oeko-Tex Center  
Frankfurter Str. 10-14, 65760 Eschborn  
Tel. +043 9198 985-225 Fax 909-028



*MMS*  
per. delle tess. 100  
2007-100

## Oekotex certification

Trevira products have been certified since the introduction of the Oeko-Tex Standard 100 to maintain limiting values in toxic substances. Textiles holding this classification are also suitable for babywear.





## Certification Code of Conduct

The Spanish textile technical institute Aitex certifies that Trevira accepts social responsibility.

Your plus in information:

DETAILED INFORMATION NOW AVAILABLE TO DOWNLOAD!



So that you can learn more about what Trevira is doing in detail about sustainability we have prepared a download-pdf for you at [www.trevira.com](http://www.trevira.com)

Take a look!

**Trevira. For a plus in sustainability.**

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THE FIBRE COMPANY

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[www.trevira.com](http://www.trevira.com)

Member Reliance Group