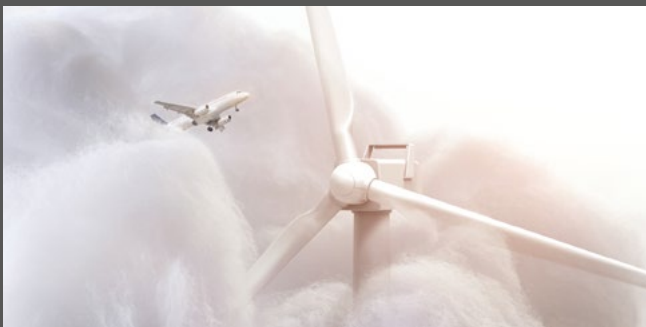
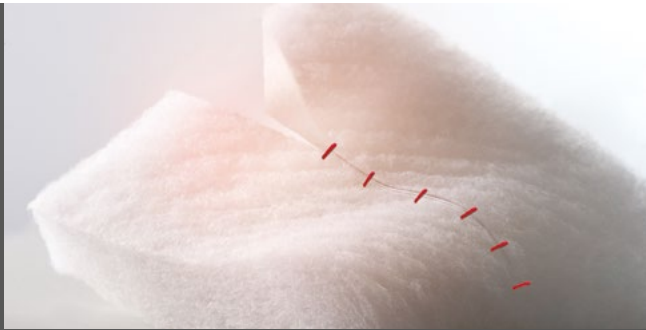


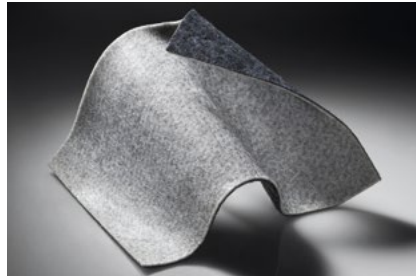
NONWOVENS FOR INDUSTRIAL APPLICATIONS



INDUSTRIAL NONWOVEN APPLICATIONS



FURNITURE & BEDDING



HACOflex®
Nonwoven/foam combination
for LAMINATION & UNDERSEWING.



HACOflex®
Nonwoven with textile cover suitable
for UNDERSEWING.



HACOflex®
HACOfill®
Voluminous nonwoven
for various applications.



MEDICAL



Padded bandages
for plaster casts.



**Disposable pillows
& blankets**
from Ziegler
nonwovens;
cut to size and
sewn in-house;
Semi-automated
and customised
packaging.



SUSTAINABLE NONWOVEN SOLUTIONS



BUILDING & CONSTRUCTION



COMPOSITES



HACOloft®

Needle-punched nonwoven for acoustic and thermal insulation. Recyclable mono-material. Can contain up to 80 % recycled fibres and fulfill EN13501 depending on the product.



HACOloft® Core

For optimum resin flow; good drapability.



www.blauer-engel.de/uz132



HACObond®

Insulating materials with excellent acoustic & thermal performance. Certified according to Ecolabel „Blauer Engel“. Mono-material, 100 % recyclable. Meets the requirements of the building materials approval DIN 4102-1 Building Material Class B1 or EN 13501.



HACOloft®

Breather nonwoven for absorption of excess resin.



HACOssoft®

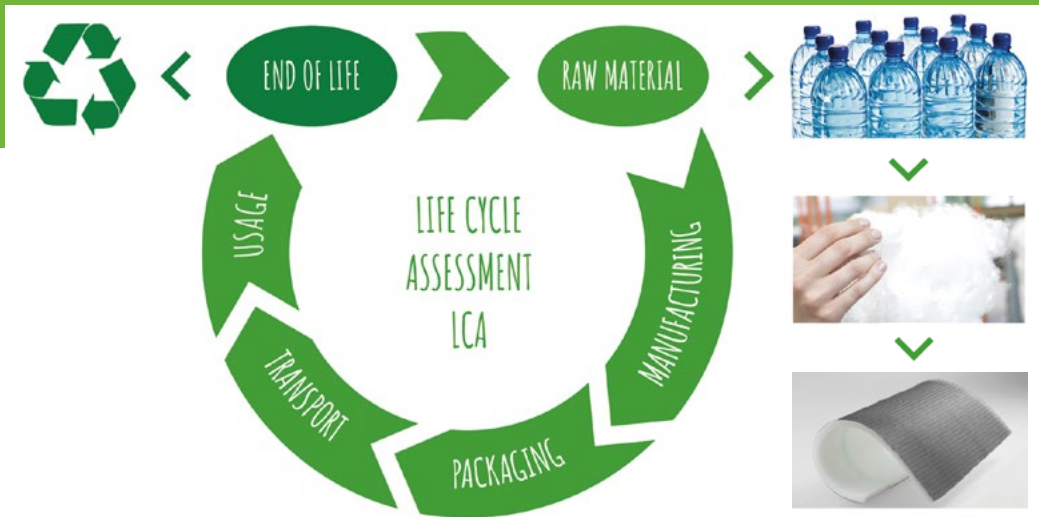
Acoustic & thermal insulation up to 300 mm thickness. Can fulfill EN13501 depending on the product.



HACOloft®

Overlay nonwoven for an optimal surface appearance.

ZIEGLER & SUSTAINABILITY




OUR COMMITMENTS AND MEASURES

As part of the Teijin group we have committed science-based targets to the SBTi. Our goal is to reduce our scope 1 & 2 CO₂ emissions by 30 % and scope 3 emissions by 15 % until 2030 (vs 2018).

HIGH RECYCLED CONTENT & READY FOR CIRCULAR

Enhancing the recycled content of our products is a main focus. Currently we are reaching up to 80 % in existing furniture & insulation products. Many of our furniture & insulation materials are pure, 100 % recyclable and certified according to Öko Tex Standard 100. Our HACO-

bond® insulation range has been awarded the German ecolabel “Blauer Engel”.

We also offer solutions made from BIODEGRADABLE POLYESTER FIBRES – our new  products.

Ziegler is environmentally certified according to **ISO 14001** and energy management certified according to **ISO 50001**. Our plants in Achern run with **100 % GREEN ELECTRICITY**.



J.H. Ziegler GmbH
Fabrikstraße 2, D-77855 Achern
Tel. 00 49 - (0)78 41 - 20 27 - 0
www.ziegler.eu, info@ziegler.eu



JOINT EFFORTS FOR INCREASED SUSTAINABILITY



REDUCE

The reduction of energy and water consumption as well as the use of materials is an integral part of our corporate policy.

REUSE

We return edge waste to the production cycle wherever possible. The use of PET recycled fibres from production waste can also be realised.

RECYCLE

We design our materials with regard to recyclability and circular economy readiness. The recycled content of our products is achieved by using recycling fibres from PET flakes from PET bottle recycling or PET recycled fibres from production waste.