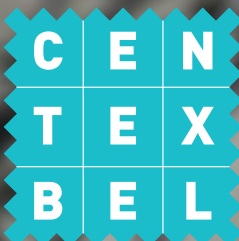


nonwovens



multi-purpose engineered fabrics
made from fibres

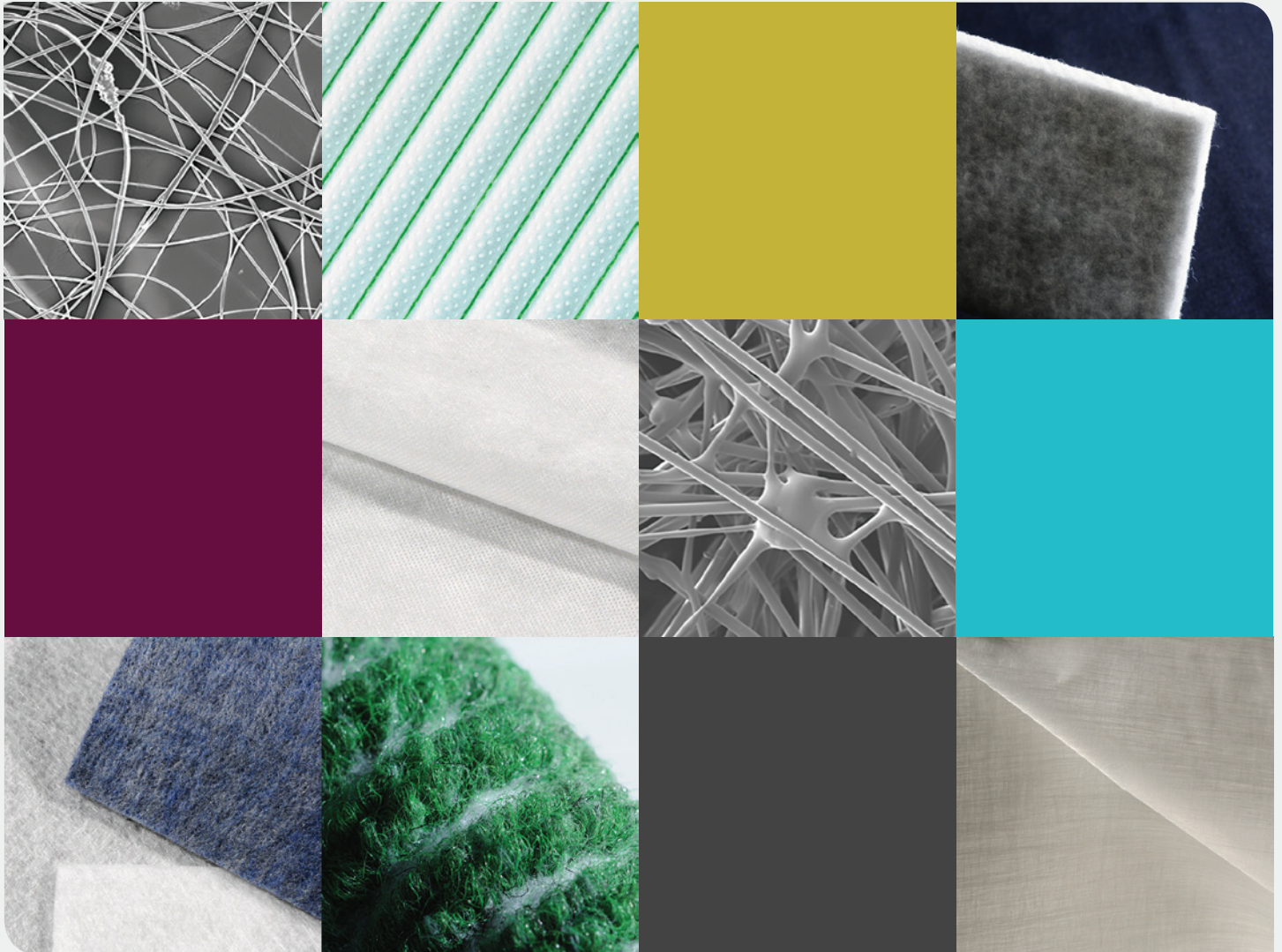


A nonwoven is a sheet of fibres, continuous filaments, or chopped yarns of any nature or origin, that have been formed into a web by any means, and bonded together by any means, with the exception of weaving or knitting.

The (blended) textile fibres in the web are bonded in a mechanical, hydraulic, thermal and/or chemical way. Varying heights in nonwoven structures may be obtained by superposing several nonwoven layers or by needling or spunlacing.

Nonwoven sheets or webs can be functionalised, coated or laminated in the same way as conventional textile fabrics.

In combination with other materials or used alone, nonwovens are used in a wide range of applications including agriculture, civil engineering, road building, automotive, filtration, bedding, clothing, healthcare, and hygiene.

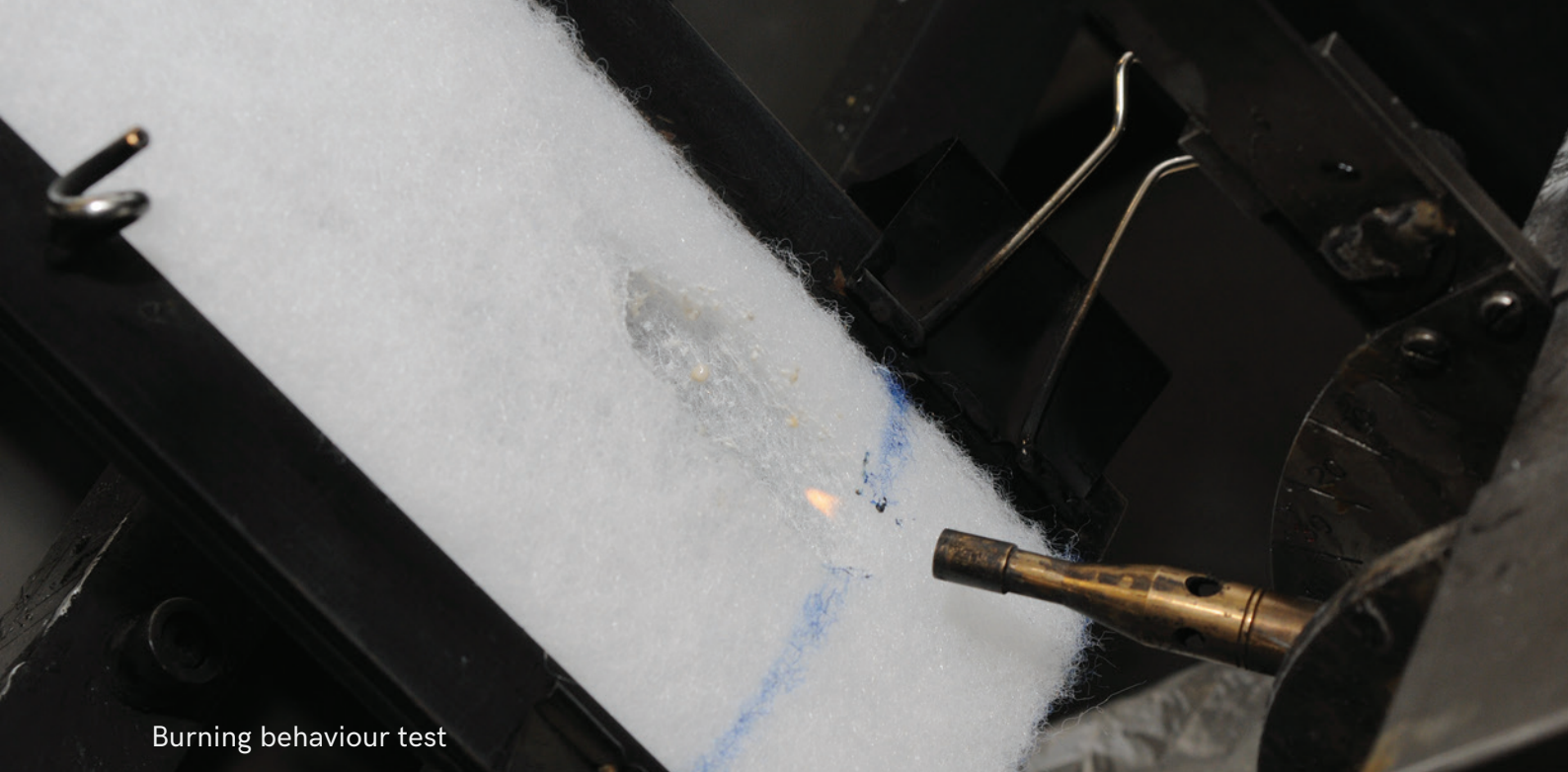


research & product development

- development and characterisation of fibres for nonwovens
- yarn extrusion
- electrospinning
- nonwoven preregs for composites
- functionalisation of nonwovens and surface treatment
- incorporation of smart materials and/or electronics

consultancy

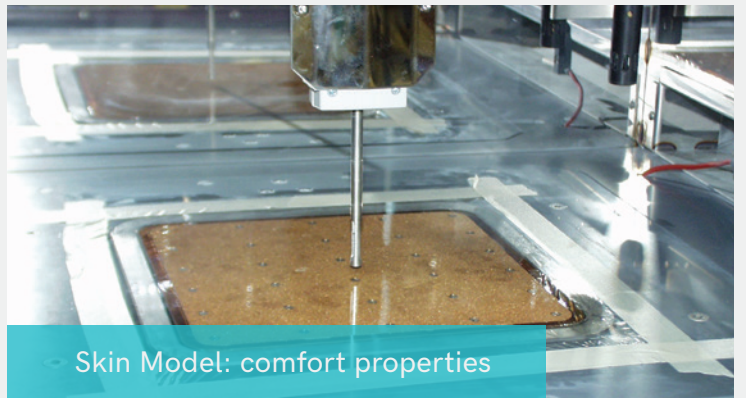
- development of new fibres for nonwovens
- process control during nonwoven production
- functionalisation of nonwovens
- new applications of nonwovens
- assembling and joining of nonwovens with other materials
- nonwoven recycling



Burning behaviour test



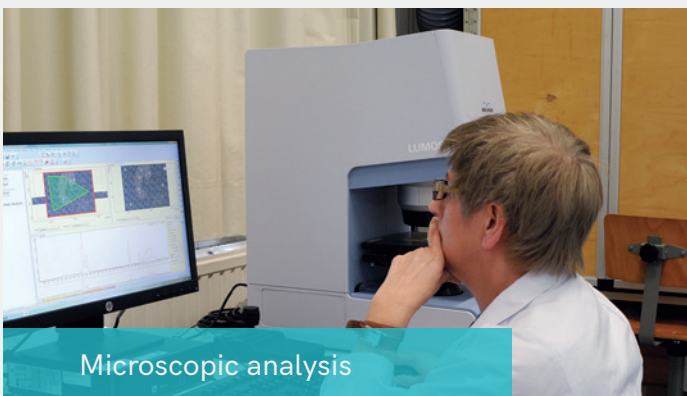
QUV ageing test



Skin Model: comfort properties



Drape test



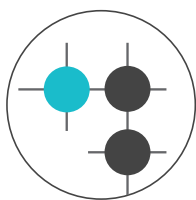
Microscopic analysis

testing

- accelerated ageing/weathering
- porosity
- physical & mechanical properties
- burning behaviour
- thermal behaviour
- comfort properties R_{et} en R_{ct}
- acoustic properties
- electric properties
- REACH conformity
- microbiological properties
- hygiene
- OEKO-TEX® certification tests



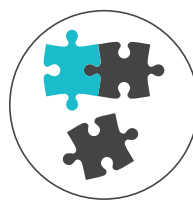
CREATE



CONNECT



INSPIRE



SOLVE



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