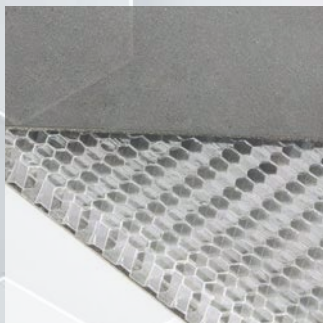


RENOLIT GORCELL. The stuff  
successful products are made of.



*Rely on it.*

Light, sturdy  
and whatever  
you make of it.



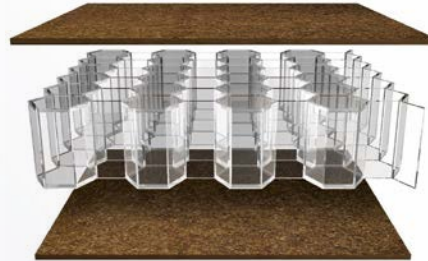
## Developed to meet the highest demands.

You're looking for an extremely hard-wearing yet very lightweight material? Then you need **RENOLIT GORCELL!** A new, award-winning, extremely cost-efficient, lightweight product. Clear advantages, but there's more: **RENOLIT GORCELL** is also water-resistant, thermally malleable and, last but not least, completely recyclable. And as if that wasn't enough, it is also chemical-tolerant, readily machinable, and suitable for bonding and gluing. As you can see, this material with its composite panels and hexagonal honeycomb structure presents perfect product properties – right through to the core. And therefore a sound foundation for your product.



### With optimal properties:

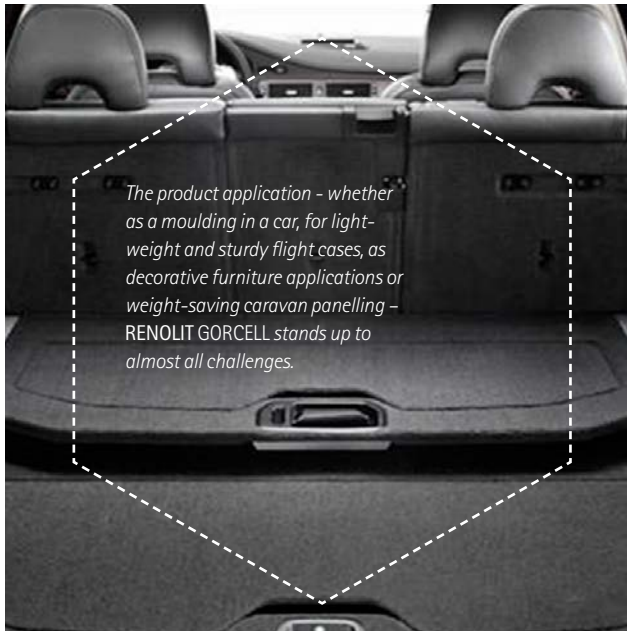
- **especially lightweight**  
specific weight of honeycomb core: 80 kg/m<sup>3</sup>
- **extremely durable**  
compressive strength: up to 1.2 MPa (ASTM C365-57)
- **highly stable**  
water-repellent and high chemical compatibility
- **thermally malleable and bondable**  
flexural modulus: 450–2,200 N/mm<sup>2</sup>
- **100% recyclable**  
the entire sandwich construction is recyclable
- **versatile**  
a modular system offers ideal technical and commercial solutions
- **cost-efficient**  
resource-conserving production makes deep cuts in costs



*A strong composite - a variety of cover layers thermally laminated over an ultralight, hexagonal honeycomb core in thicknesses of 4–22 mm.*



## Perfect for your business.



## Impressive in every area.

RENOLIT GORCELL is extremely sturdy yet extremely flexible at the same time. So flexible that this material is in widespread use in more and more industries. And everywhere the picture is the same. The product appeals across the board and in a very wide range of applications – as the following examples illustrate:



*Installed in trailers, it leaves comparable products behind.*



*The water-resistant material is used in the maritime sector, too.*



*This material brings even greater efficiency to the transport sector.*



*Use in commercial vehicles enables greater payloads.*



*With special properties such as resistance to ammonia, applications in agricultural structures are problem-free.*



*Thanks to its good weather resistance and system diversity, RENOLIT GORCELL is well-suited for outdoor applications as well.*



*Even bees have successfully put this nature-friendly product to use for their hives.*



*For hunters, this product's outlook is superb.*



RENOLIT GORCELL has a solution in store for you and your industry, too!  
Ask us, and we'll tell you what it is.





### 100% pure versatility:

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- very wide variety of industrial applications
  - automotive applications
  - trailer structures and trailers
  - caravans and mobile homes
  - furniture and flooring
  - container, module, boat and ship construction
  - flight cases
  - garden surroundings
  - orthopaedic technology
  - trade-fair and agricultural construction
  - apiaries and hunting stands
- ... oh, the things you'll make with RENOLIT GORCELL!



*"Superbly suited for use in interior applications in the automotive sector".*

## Perfect for your all-round solution.

As an experienced partner, we work with other industry specialists to develop a total package for you: whether it's planning, design, fabrication or manufacture using technical specialities such as thermoforming, laser edging, surface finishing, butt and extrusion welding, bolted and adhesive assembly or machining processing. Seeing to it that your success takes shape fast.

## Impressive, right through to the end.

RENOLIT GORCELL is well thought out, from beginning to end. Particularly impressive is the appeal of its resource-efficient production. And the product is 100% recyclable.

This means that not only the components are fully recyclable, but also that RENOLIT accepts production scrap return. And immediately reuses it. Thus completing the circle. As befits an all-around perfect product.



*RENOLIT is a co-founder of VinylPlus. A voluntary commitment by the PVC industry to promote sustainability in production.*



*Tailored to your needs - RENOLIT GORCELL is manufactured and processed using state-of-the-art technology.*



Business Unit **RENOLIT** *COMPOSITES*

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*Rely on it.*