

kelteks.
the strongest link in your composite



kelteks.com/edgeprotector



kelteks Edge Protector

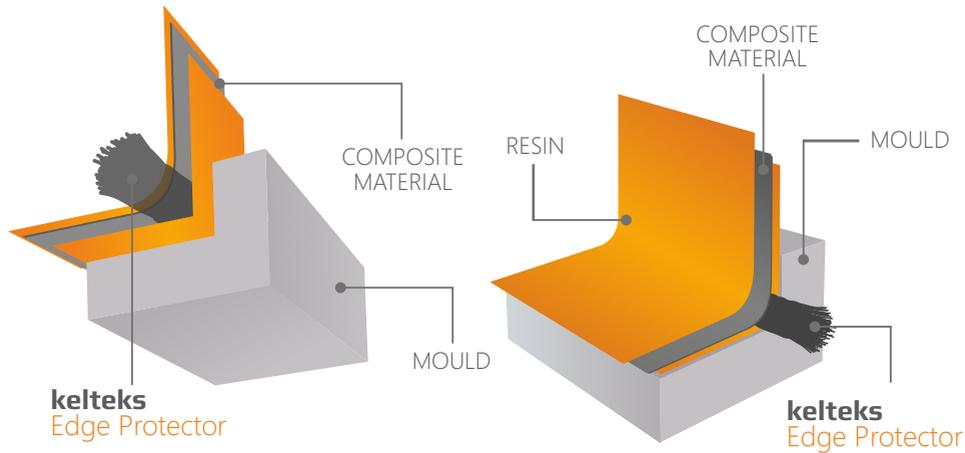
real professionals don't
make weak parts
why would you?

kelteks.com



kelteks Edge Protector

NEW solution for perfect corner reinforcement



what is the problem?

- Sometimes there is the problem that not enough glass fibers go into the sharp corners or edges with a small radius.
- Glass fiber mat usually does not stretch into the corner, causing "resin-nest" (too much resin), which is not reinforced with fibers and sometimes has trapped air bubbles. These little voids are defects that weaken the structural strength of your composite. After un-moulding, this unreinforced corner is susceptible to break because no fibers are inside (resin excess). The result is "stress cracking", which almost always happens in radiuses of corners and edges.
- Products on the market are tough and stiff and will not be squeezed into the corner unless they are very precisely placed.

we have a solution!

- The structure of the **kelteks Edge Protector** is fluffy and cuddly and is available in different thicknesses. It can be easily moulded and, as an insert in the preform, it adapts well to any contour. Fibers are easily squeezed into the sharp-edged joints and corners. Check it out on youtube!
- Sharp-edged joints and corners in critical component areas are thus reliably filled with fibers, and laminate chipping is effectively prevented.
- **kelteks Edge Protector** is suitable for all processes of composites such as hand lamination, vacuum infusion, pultrusion, etc.
- The transversely aligned entanglement fibers ensure a perfect bond to the overlying laminate layers.



Long-lasting
Long life of the mould / composite part



Fluffy
Super flexible and "fluffy" reinforcement yarn and yet easier to apply



Reinforcement
Corners are reinforced with fibers (no resin-excess)



Filling
During application fibers will be pressed into the smallest corner



Connecting
Fibers will not resist overlaying glass fibre mat, but instead will connect to it



No Maintenance
Less or no repair and maintenance cost

articles

regular

- kelteks Edge Protector 50**
- kelteks Edge Protector 75**
- kelteks Edge Protector 100**
- kelteks Edge Protector 200**

soft

- kelteks Edge Protector 50 soft**
- kelteks Edge Protector 75 soft**
- kelteks Edge Protector 100 soft**
- kelteks Edge Protector 200 soft**

carbon

- kelteks Edge Protector C500**



kelteks Edge Protector

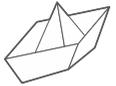


kelteks Edge Protector



kelteks Edge Protector

applications



SHIPBUILDING
REINFORCEMENT



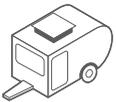
WINDMILL BLADE
REINFORCEMENT



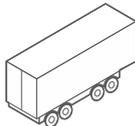
AUTOMOTIVE
INDUSTRY



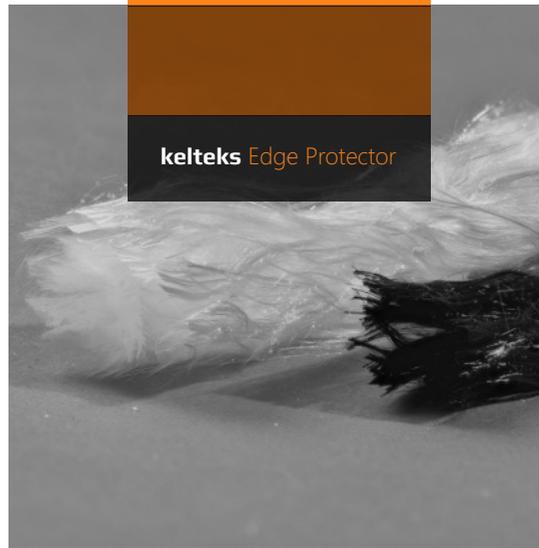
SPORT EQUIPMENT
REINFORCEMENT



CAMPERS
REINFORCEMENT



TRAILERS
REINFORCEMENT



technical information

- **keltex Edge Protector** is compatible with epoxy (EP), polyester (UP), and vinyl ester (VE) resin.
- Made from high-quality carbon or glass fibers.
- Available in different diameters/thicknesses and lengths on a roll.
- Specially designed box for easy handling.

Order Your Sample Now!

Try the regular or soft version and give us your feedback. Contact our sales and order your samples.
sales@solidian-keltex.com



Scan or Click
to watch technical videos about
keltex Edge Protector

Subscribe to **keltex** Youtube Channel

We often get asked about technical dimensions (like diameter, thickness...) of our Edge Protector, but the very fluffy and flexible nature of our product makes it difficult to be precise. And actually we want it that way, so that it squeezes naturally into the smallest corner to provide a good fiber reinforcement in your composite.

That is why we decided to make video, so that you can get an idea about how the product feels and which one fits best for your purpose.

However, the best way to get a solid grasp of the material properties is to order your own sample and feel it for yourself!

HOW TO reinforce your composite edge

On our YouTube Channel we made a video where you can see the advantages and get an idea about the product application and usage.



GET A FEEL FOR **keltex** Edge Protector

Watch the technical video on our channel to check the dimensions of **keltex Edge Protector**, its softness and the ability to adjust the angles.



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Other Products

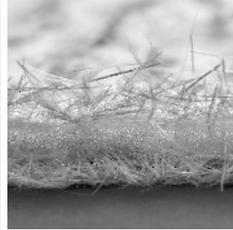


check out our NEW website for more products and innovative solutions



kelteks Cargo System

is the solution based on our long-term industry experience. It is suitable for heavy loads and non-standard sizes because of its easily collapsible sidewalls. The heavy-duty construction of the container keeps fragile cargo protected and secured into position during transportation or when stored in warehouse.



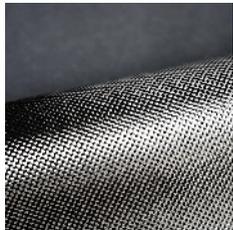
kelteks FormMat

is an innovative three-layer complex with a middle layer of fleece intended for fast and even impregnation of laminate. High volume fabrics without chemical binders for better resin flow & final surface finish. A volumized complex is used as a specific solution for various applications.



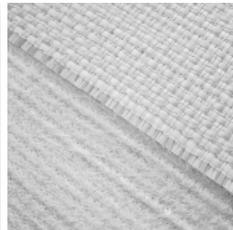
kelteks UD Reinforcement

Unidirectional fabrics are a composite reinforcement designed for applications where high additional strength and reinforcement in only one direction is required. UD reinforcement offers the ability to place continuous fibers in optimum quantity, either a 0° (warp) or 90° (weft) axis.



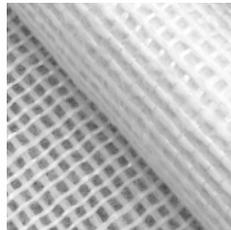
kelteks Woven Roving

is most suitable for applications where thickness and strength are required and provides the most economical solution for improving straight and increasing the glass content of laminates. It is a reinforcement made from direct, assembled, or texturized fiberglass roving weaved into fabric.



kelteks Combimat

is the complex reinforcement made of woven roving and chopped strand fibers bonded together by stitching. Connecting the layers without chemicals dramatically improves the bonding between reinforcement and matrix during the lamination process.

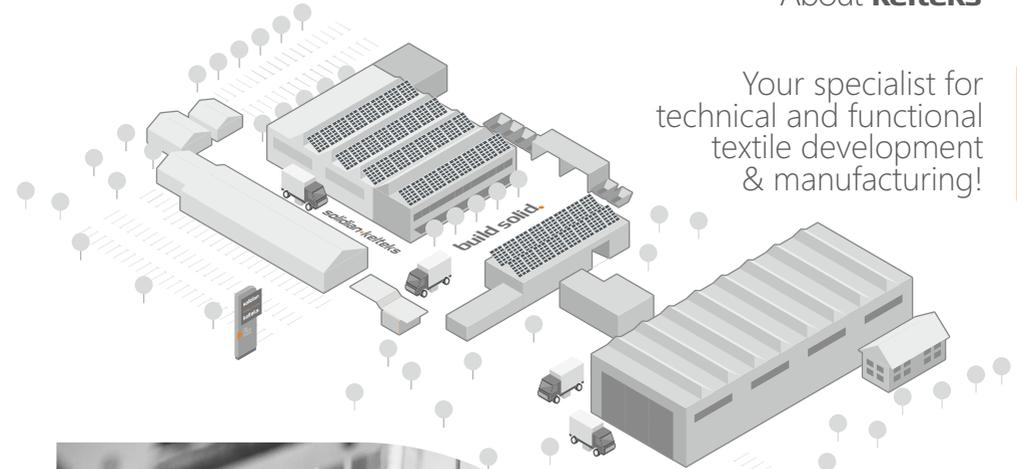


kelteks Complex

is the combination of two or more reinforcement layers, connected by a special needling technology. Adding epoxy, vinyl ester, or polyester matrix, creates a perfect composite for a variety of applications such as shipbuilding, automotive, sports & leisure, and other industries.

About **kelteks**

Your specialist for technical and functional textile development & manufacturing!



More than 30 years of experience in the composites industry as a manufacturer and developer of high-tech technical textile reinforcements for a large variety of applications. Our field of expertise is the large-scale production, with attention to every detail, of technical fibers such as carbon fibers, glass fibers, basalt fibers, etc., utilizing state of the art machinery and technology.

We are a family owned business and we are proud of the long experience of our 350 well trained, highly educated, and dedicated technical experts that ensure the best products and services for you. You can rely on us to be your partner for the complete value chain of your product so that you can focus on your own business. Our 3 factories are located in the heart of Europe in beautiful Croatia, from where we supply our industrial customers in more than 30 countries. It goes without saying that we are certified according to DIN EN ISO 9001:2015 and DIN EN ISO 14001:2015

build solid.



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