



solidian

build solid.

REINFORCEMENTS FOR FUTURE GENERATIONS

solidian GRID & **solidian** FLEX GRID



solidian

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ISO 9001



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Rusty buildings
should be my
future?

No thanks!

build solid.



& **solidian** GRID **solidian** FLEX GRID

are textile reinforcements made from various fibers such as carbon, glass, basalt or hybrid and therefore are ultra-lightweight. Compared to classic steel reinforcement, **solidian** reinforcements have up to 7 times higher tensile strength and do not corrode.

Our reinforcements are extremely versatile and can be used in areas where usually only stainless steel reinforcement or structures with increased concrete cover are used. **solidian** reinforcements require only the minimum concrete cover and thus contribute to savings in material and transport costs.

solidian reinforcements are primarily intended for use in precast plants, but can also provide valuable services in refurbishment projects. Our reinforcements stands for flexibility and design freedom, because even free shapes are no obstacle. Specially designed coatings, fillers and production technologies ensure superior bonding with matrix.



More powerful
More economical
More resource-efficient



Features **solidian** GRID

- Standard panels and the possibility of making in rolls on request
- Standardized L-angles made of **solidian** GRID
- Tensile strength up to 4.000 N/mm
- Resource-saving due to relevant savings of cement, water and sand
- Excellent Load-bearing performance
- For high demand concrete installations
- Individual designed shapes & forms are possible on request
- Excellent Tg properties
- Superior mechanical properties



Features **solidian** FLEX GRID

- Flexibility without compromising strength
- Easy installation on site as it comes in roll
- Simple, large-area installation due to common standard dimensions
- Tensile strength up to 6 times higher than steel
- Excellent for restoration application due to flexible and easy installation properties
- High mechanical strength
- Electrically conductive (for monitoring and heating) **solidian** eGRID
- Very high elastic modulus for small deflections in building elements
- Ultra-Lightweight
- Roll option in different dimensions
- Panels optional on request

Minimum concrete
cover due to
corrodible-
resistant
reinforcement

20% less concrete
20% less weight
20% less resources



AN INNOVATIVE REINFORCEMENT GETS EVEN BETTER

The new generation of **solidian** reinforcements is the result of continuous product development and convinces with numerous advantages that makes constructing with carbon, basalt or AR glass reinforcement even more attractive.

solidian GRID & **solidian** FLEX GRID

have a wide range of applications, e.g. precast concrete components, facade panels, structural reinforcement measures, components in direct contact with water, bridge components.

Base for
different
form & shape



Flexibility without
compromising
tensile strength

Rigid or Flexible

Our advanced production technology allows us to fulfill special market demands for both rigid and flexible reinforcements, according to application or customer needs.

Filler

Our reinforcements are made with specially designed coatings, fillers and technology that allows superior bonding with matrix.

Various Materials

Our long-term knowledge allowed us to produce reinforcements from various materials such as Carbon, AR Glass, Basalt, Natural fibers, etc.

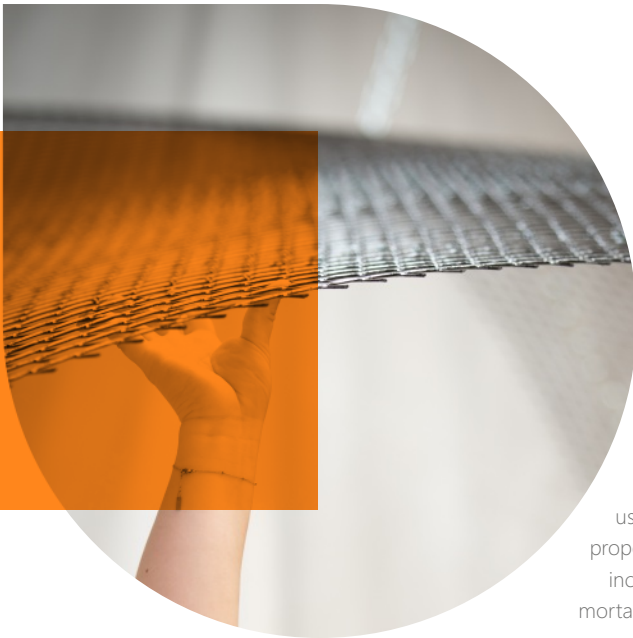
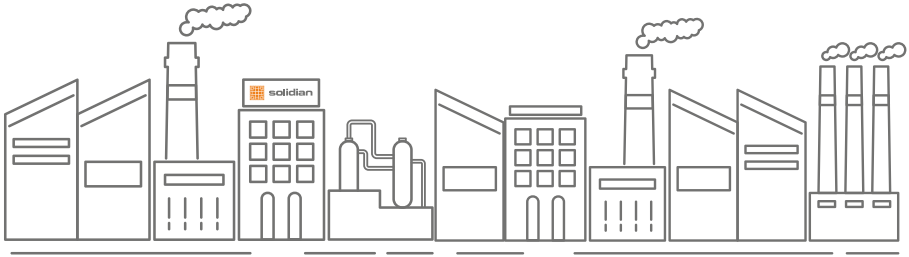
Form

We developed a special technique & technology for production of many differently shaped reinforcements made from various types of fibers.



About **solidian**

Always one step ahead: with innovative products we can offer you perfect solutions for your needs



solidian has made a name for itself as a leading company that provides a wide range of solutions to improve construction structure.

We made a commitment to clients to provide them with customer service, technical support and being the leader in providing global innovative fiber material solutions.

We use advanced technologies to produce special solutions according to your needs. Our functional grids are used to optimize product and processing properties in a wide variety of applications – including concretes, UHPC, cement-based mortars, adhesives, and dry-mix compounds.

discover our
industry-leading
reinforcements & systems

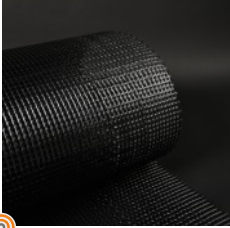
build solid.

Other Products



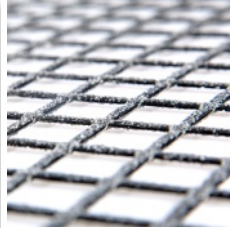
check out our NEW website for more products and innovative solutions

solidian.com/products



solidian eGRID

Specially developed flexible grids in combination with electro conductive coatings provide high tensile strength and outstanding electro conductive properties. **solidian eGRID** is now also available with different conductive surface treatments for special applications in which electrical conductivity is important.



solidian Anticrack

is a further development of our reinforcement **solidian GRID**, which functions specifically as crack eliminating reinforcement. The carbon reinforcement can be laid close to the surface and thus have a particularly positive influence on crack formation in concrete components.



solidian Open End Connector

Non-corrosive Carbon, Basalt, or AR-Glass connector with Single or Double Open End suitable for construction reinforcement in masonry, arches and vaults. Perfect for reinforcement of buildings in earthquake-affected areas.



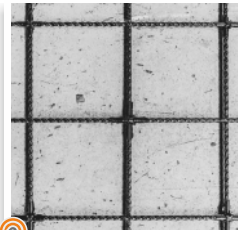
solidian Brisky

High-tech, non-Corrosive, AR glass or Carbon fiber reinforcement brick mesh on a roll for efficient crack control specially designed for any wall width.



solidian Rebar

The rod-shaped reinforcement **solidian Rebar** are combining high-strength fibers with extreme resistant resins. **solidian Rebar** are the right choice where ever high loads occur and components are permanently exposed to aggressive environmental influences.



solidian Remat

The **solidian Remat** transfer all the outstanding properties of our bar-shaped reinforcements, the **solidian Rebar**, to the mesh format. The result is robust and walkable mats for more efficient handling on the construction site.

