



solidian

build solid

solidian GRID

CARBON REINFORCEMENT FOR FUTURE GENERATIONS



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solidian GRID

is a textile reinforcement made of carbon fibers - an ultra-lightweight reinforcement. Compared to classic steel reinforcement, **solidian GRID** has up to 7 times higher tensile strength and does not corrode.

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

solidian GRID reinforcement is primarily intended for use in precast plants, but can also provide valuable services in refurbishment projects.

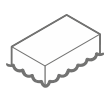
Our carbon reinforcement stands for flexibility and design freedom, because even free shapes are no obstacle.



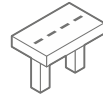
Facade elements



Precast elements



Maritime constructions



Bridge superstructures



Restoration & Strengthening

AN INNOVATIVE REINFORCEMENT GETS EVEN BETTER

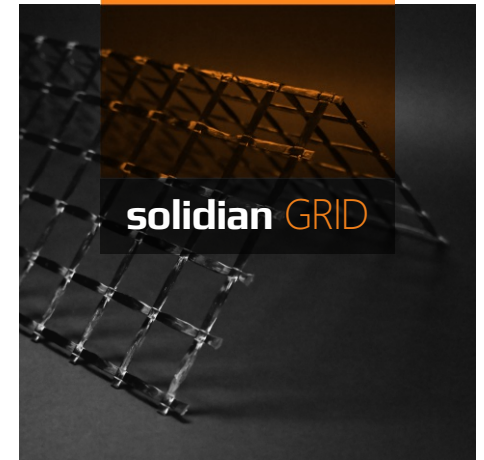
Carbon concrete is the building material of the future. The new generation of **solidian GRID** is the result of continuous product development and convinces with numerous advantages that makes constructing with carbon reinforcement even more attractive.

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



More powerful More economical More resource-efficient

- Standard product range of **solidian GRID** in carbon and glass fiber
- Standard dimensions 6,0 x 2,30 m
- Individual dimensions of max. 8,0 x 3,0 m (on request)
- Standardized L-angles made of **solidian GRID**
- Tensile strength up to 4.000 N/mm
- Simple, large-area installation due to common standard dimensions
- Resource-saving due to relevant savings of cement, water and sand
- Individual designs are possible on request - feel free to call us!



Carbon reinforcement in various shapes



Lightweight and easier to install



Up to 7x stronger than steel



Economically and ecologically sustainable



Versatile use in a wide range of applications



More economical due to reduced consumption of materials



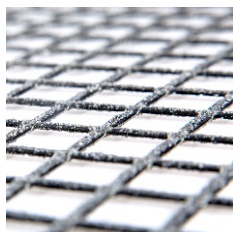
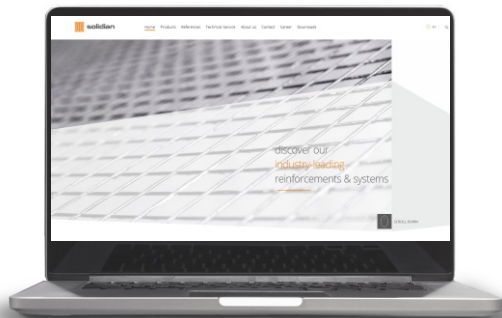
Enormous design freedom for architects

Basis for edge protection in tubbings



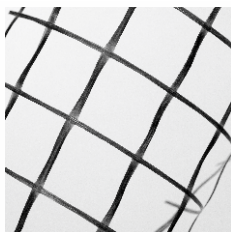
Related Products

check out our website for more related products and innovative reinforcement solutions



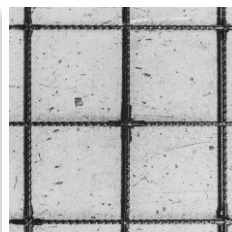
solidian ANTICRACK

solidian ANTICRACK is a further development of our carbon reinforcement solidian GRID. It is charged with sand which functions specifically as crack width limiting reinforcement and achieves an even better interlocking with the concrete.



solidian FLEX GRID

Advanced production technology allows us to fulfill special market demands for both rigid and flexible reinforcements, according to application or customer needs. Hi-tech flexible reinforcements made of Carbon, Basalt or Glass.



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.



solidian SPACER&TIES

is the accessory group for our solidian reinforcements. With our special and patented spacers for our close meshed products such as the solidian GRID, we simplify the application for the architecturally high-quality design of surfaces made of fair-faced concrete.



solidian CONNECTORS

Anchorage, no matter whether they are already embedded in materials or set subsequently, are important devices for e.g. transferring forces or also for connecting elements. At present, new materials and shapes are increasingly replacing classic, metal-oriented solutions. Composites with glass fiber or carbon are modern alternatives here for a wide range of applications.



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.

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