



solidian

build solid.

solidian REBAR

REINFORCEMENT FOR EXTREME DEMANDS



solidian

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solidian REBAR

The rod-shaped reinforcement **solidian REBAR** are combining high-strength fibers with extreme resistant resins and are produced in the process named pultrusion.

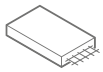
In the process, the glass or carbon fibers are aligned extremely straight in production, impregnated with resin and cured.

The combination of stretched fibers and large diameters results in incredibly high load-bearing capacities for the most extreme requirements, which are durable due to the non-corrosive materials.

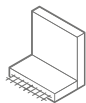
As such **solidian REBAR** are accessible on site. So they are the ideal non-corrosive substitution for metallic reinforcements for everybody who is interested in economical and ecological sustainability.



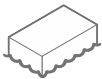
High-voltage
& electromagnetic
systems



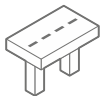
Concrete
slabs



Balconies
& façades



Maritime
applications



Bridge
construction



Tunnel & mining
constructions



PERFECT FOR EXTREME CONDITIONS

solidian REBAR are the right choice where ever high loads occur and components are permanently exposed to aggressive environmental influences such as de-icing salts: They will last for generations!



STRONG POWERFUL EXTREMELY ENDURING FOR GENERATIONS

- Standard portfolio: Reinforcing bars made of ECR glass or carbon fibers.
- Various diameters up to 16 mm
- Standard length 6.0 m in stock
- Standard lengths for order-related productions: 0.5 m to 12 m
- Individual designs possible on request



Non-corrosive,
despite aggressive
environmental
influences



Chloride resistance
allows reduction of
concrete cover
and elimination
of waterproofing



Resource-saving due
to the lower use of sand,
cement and water, as well as
less primary energy input
than e.g. stainless steel



Extremely
long
service life



Low weight of the
reinforcements and
the thinner-walled
components made
from them



Easy handling
on the construction
site and in the
precast plant due
to low dead weight
and walk-ability



In total:
Economical due to less
material usage,
less maintenance effort
and longer service life

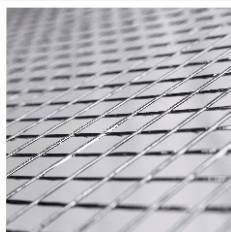
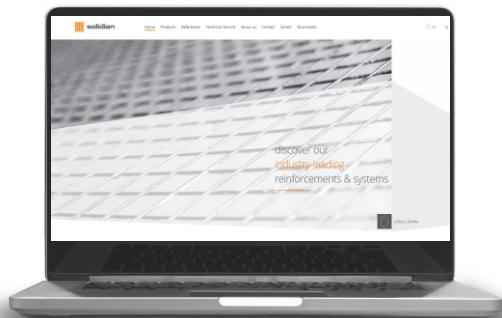


Extremely
high-load
capacities



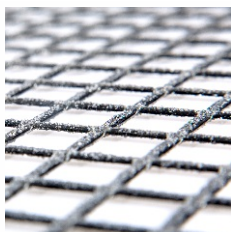
Related Products

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



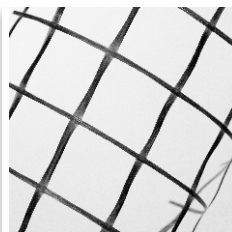
solidian GRID

Our contribution to the future is solidian GRID, a carbon reinforcement mesh, produced by highly-innovative technology. Compared to classic steel reinforcement, solidian GRID has up to 7 times higher tensile strength and does not corrode.



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.



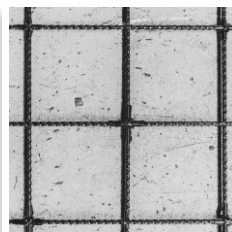
solidian SPACER&TIES

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 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.

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