



solidian



www.solidian.com/anticrack

build solid.





solidian ANTICRACK

SPECIALLY DESIGNED
REINFORCEMENT FOR A
SUPERIOR BONDING BEHAVIOR



solidian

-  Sigmaringer Straße 150
72458 Albstadt
Deutschland - EU
-  +49 74 3110 3135
-  info@solidian.com
-  sales@solidian.com

-  Dr. Slavka Rozgaja 3
47000 Karlovac
Croatia - EU
-  +385 47 693 300
-  sales@solidian.com
-  info@solidian.com





solidian

Rusty buildings
should be my
future?

No thanks!

build solid.



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 ANTICRACK is charged with specially designed grip and thus achieves an even better interlocking with the concrete.

solidian ANTICRACK reinforcements are an economically interesting alternative to conventional solutions for eliminating cracks in concrete.

Our hi-tech reinforcements inside concrete are the building materials of the future.

The new **solidian** ANTICRACK as crack eliminating reinforcement is the result of continuous product development and convinces with numerous advantages that make building with carbon reinforcement even more attractive.





Lightweight
and easy
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



Minimum concrete
cover due to
corrodible-
resistant
reinforcement



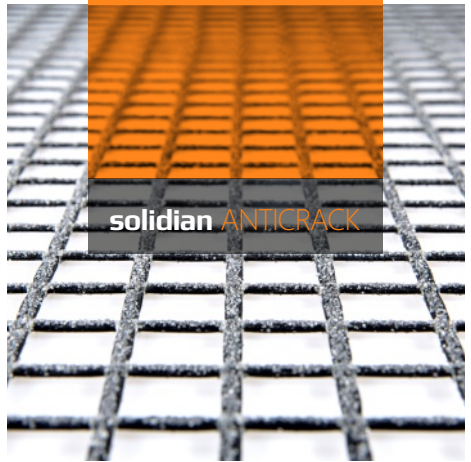
20% less concrete
20% less weight
20% less resources



4-5 times thinner,
slimmer and lighter
than steel reinforced
concrete structures

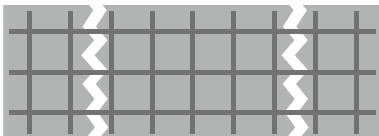


Longer service life
and increased
load capacity

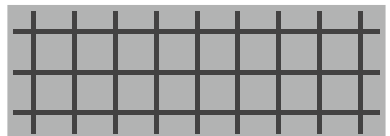


An innovative
reinforcement
gets even better

Traditional steel reinforcement



solidian ANTICRACK reinforcement





solidian ANTICRACK

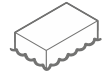
Specially designed reinforcement for a superior bonding behavior

Textile carbon reinforcements require only a small concrete cover of a few millimeters. As a result, they can be laid close to the surface and are particularly effective in preventing crack widths.

solidian ANTICRACK exploits this advantage to the maximum and also offers even higher safety against surface spalling.



Tunnel lining



Rehabilitation of hydraulic structures



Precasted elements (e.g. Façade panels)



Rehabilitation of floors, slabs and expansion joints



Sealing layers (e.g. waterproof)

- Standard product program of 3 **solidian** ANTICRACK types
- Tensile strength up to 4.000 N/mm²
- Resource-saving due to relevant savings of cement, water and sand
- Excellent Load-bearing performance
- For high demand concrete installations
- Superior mechanical properties
- Any individual type is possible on request – please call us!

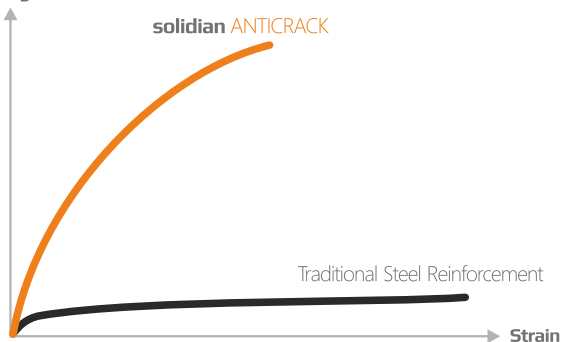
Tensile Strength



solidian ANTICRACK

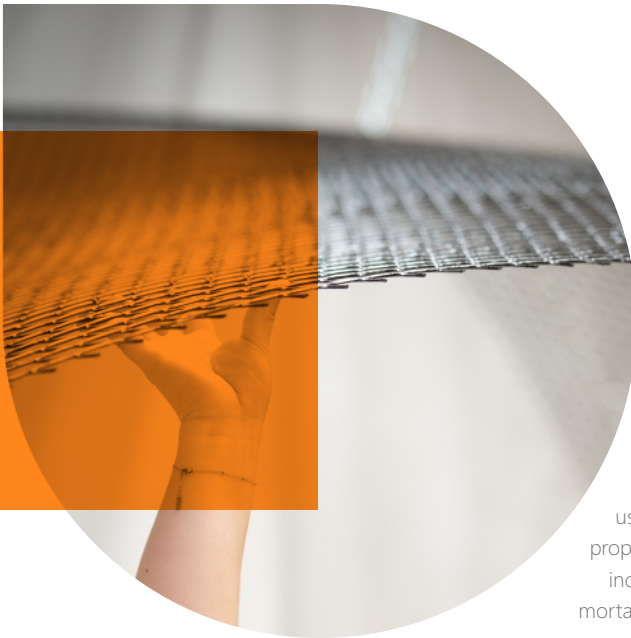
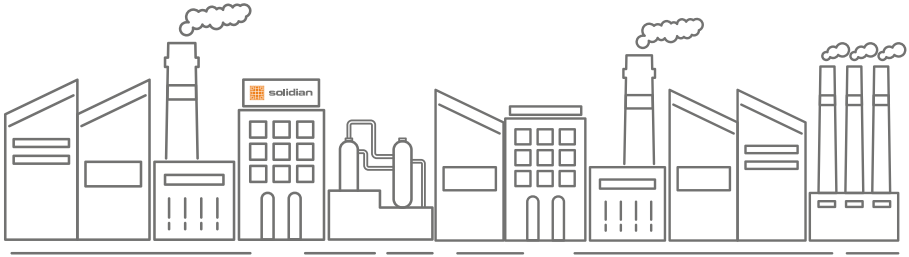
Traditional Steel Reinforcement

Strain



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



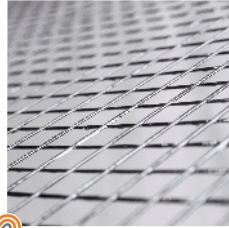
check out our NEW website for more products and innovative solutions

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 Grid

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



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.



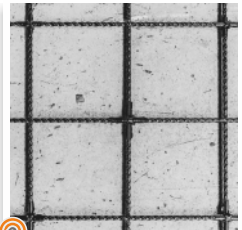
solidian Brisky

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.

