



wanna gamble
with my life?
don't!
build solid.

solidian

ANTISEISMIC



earthquake reinforcement

The best solution for renovation, restoration and prevention of cracks and other damage caused by earthquakes

Contact

+385 47 693 314 (CRO)

sales@solidian.com

+90 0530 404 78 19

sales-turkiye@solidian-kelteks.com

Croatia

Dr. Slavka Rozgaja 3
47000 Karlovac
Croatia - EU

Türkiye

Mistral Tower
35170 Izmir
Türkiye

Germany

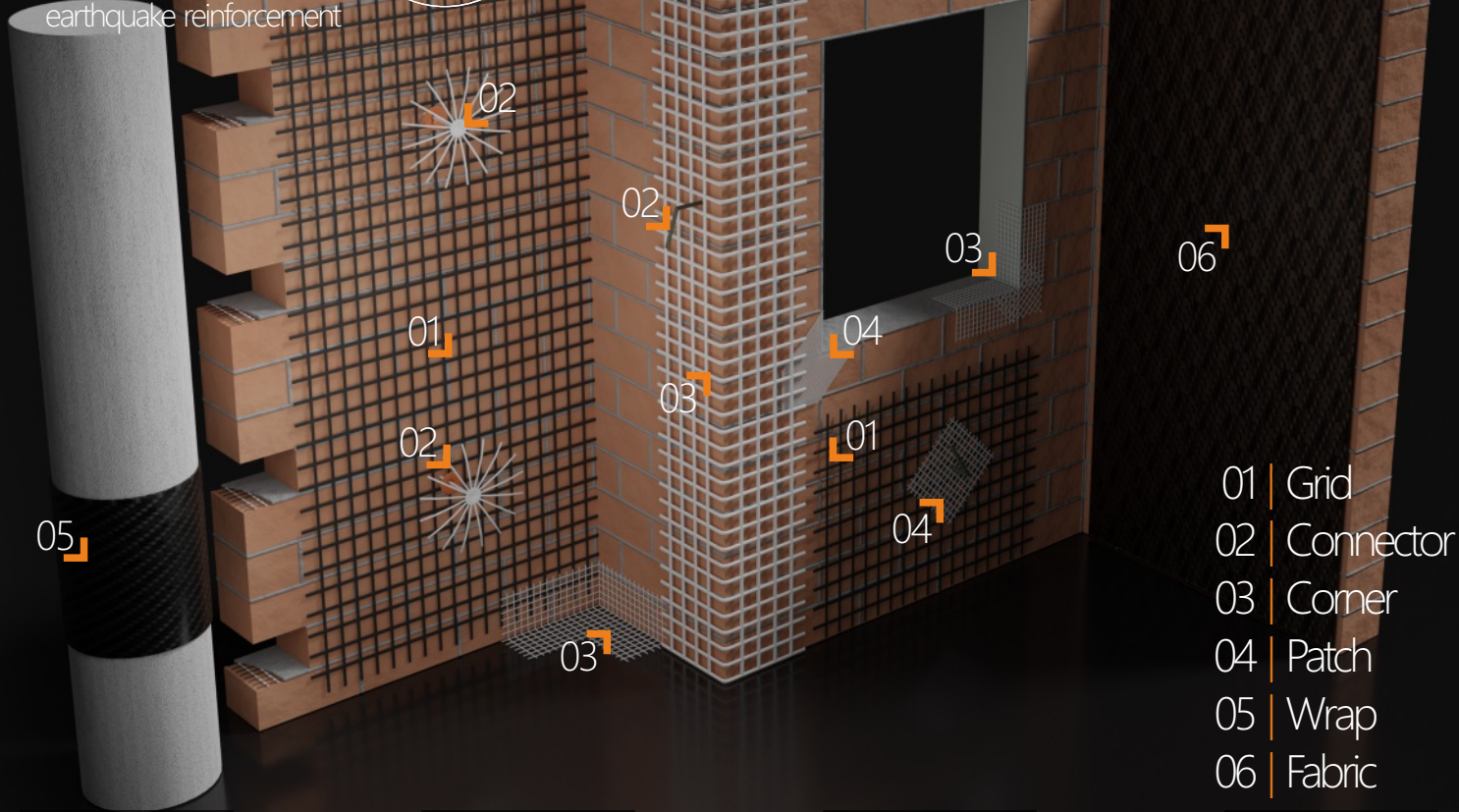
Sigmaringer Straße 150
72458 Albstadt
Deutschland - EU



solidian

ANTISEISMIC

earthquake reinforcement



- 01 | Grid
- 02 | Connector
- 03 | Corner
- 04 | Patch
- 05 | Wrap
- 06 | Fabric



solidian
ANTISEISMIC Grid

Our advanced production technology meets special market demands for rigid and flexible earthquake reinforcements;

- Especially developed Carbon, AR glass or Basalt fiber reinforcements serve as the main reinforcement of flat surfaces
- Used with uniquely developed **solidian ANTISEISMIC** Connector that connects the armature to the wall, as well as connecting the systems of the inner and outer parts of the wall with the specially designed product **solidian ANTISEISMIC** Corner
- Excellent Tg properties and load-bearing performance
- With our long-term knowledge, we develop and produce reinforcements from various materials such as Carbon, AR Glass, Basalt, etc.
- Excellent for restoration application due to flexible and easy installation properties
- Flexible reinforcements can contain special fillers (quartz sand) that allow superior bonding



RIGID REINFORCEMENT

FLEXIBLE REINFORCEMENT

SUPERIOR BONDING

CARBON STRENGTH



- Available Patch Arrow & Patch Square
- Strong carbon fiber reinforcement mesh
- No corrosion so it's very durable
- Our special rough sanded surface for superior bonding properties
- Different shaped to fit and patch all corners and edges
- Easy to handle and apply



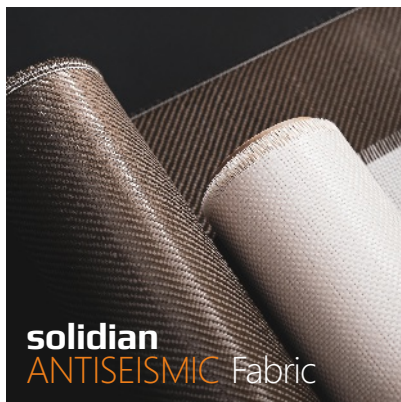
- Short construction period
- No maintenance required
- Minimal change to structure's shape, weight, or appearance
- Improving service life and durability
- Thermal compatibility
- Excellent fatigue behavior
- Repairing or preventing seismic damage
- Replacing damaged or missing reinforcing steel
- Extremely resistant to a wide range of environmental conditions
- Easy installation



- Especially developed system used for fixing the reinforcement to the wall
- The system fixed with **solidian ANTISEISMIC Connector** increases its ductility, the load-bearing capacity and evenly distributes load on the surface or the entire system
- Connector made with special fillers that creates an active connection with mortar or concrete
- Connecting the external system (reinforcement) to the internal part of the wall and holding (fixing) the reinforcement on the wall surface at the same time
- We offer options made of carbon and AR glass as well as different diameters and lengths to adjust the connector to every dimension of the wall



- Especially developed products for protection of the inner and outer corners of the wall
- Together with **solidian ANTISEISMIC Connector**, alongside with **solidian ANTISEISMIC Grid** reinforcement, they are used to connect the systems of the inner and outer part of the wall and to protect the building as a complete system
- Excellent Tg properties
- In-house developed technique & technology for production of many differently shaped reinforcements
- Various forms can provide maximum protection of the most sensitive parts of the building, like corners of the windows, doors and connections with walls and floors
- These carbon reinforcements can contain special fillers (quartz sand) that allow better bonding



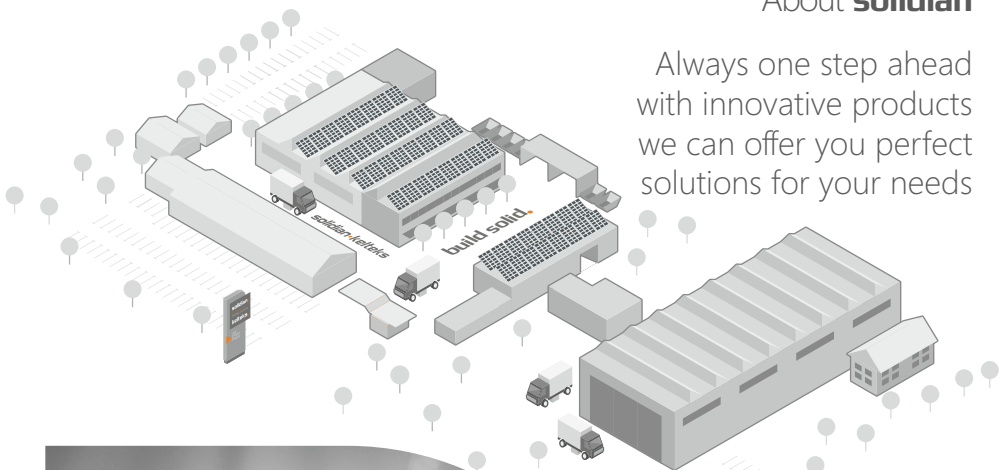
- Certified to building material class A1 and therefore classified as non-combustible to EN 13501-1 reaction to fire.
- Non-flammable fabric made of glass or basalt
- Excellent solar and glare control characteristics
- Maintenance free
- Weatherproof
- Water repellent
- UV Protection

Leading solution provider for
earthquake reinforcement

build solid.

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.



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CERTIFIED
ISO 9001
ISO 14001



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47000 Karlovac Croatia - EU
+385 47 693 314
sales@solidian-kelteks.com

Germany

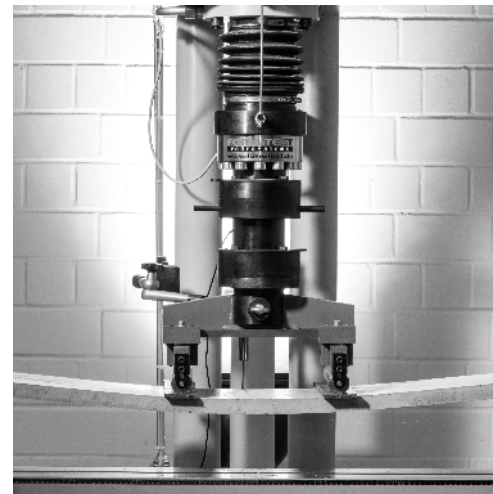
Sigmaringer Straße 150
72458 Albstadt, Germany - EU
+49 7431 103135
sales@solidian.com

Türkiye

Mistral Tower Izmir K:42 D:42135170
35500 Izmir, Türkiye
+49 7431 103135
sales-turkiye@solidian-kelteks.com

CRM system

In CRM system the inorganic matrix is reinforced with mesh, corner and connectors to increase strength, load bearing capacity and ductility of structural elements in new and existing masonry and concrete structures.



FRCM system

In FRCM reinforcement systems the inorganic matrix, based on cement or lime, is reinforced with mesh made of the following types of materials: Carbon, AR glass, Basalt. It is used to increase load bearing capacity, strength and ductility of structural elements that are subject to static and dynamic loading.



In these systems the FRP net is able to absorb the tensile stresses, while the structural mortar helps to absorb the compression stresses. The transfer of stresses between the support and the reinforcing mesh is also guaranteed by the presence of the connectors, which ensure the structural collaboration between the wall element and the reinforced plaster.

Our creative R&D team of experts is constantly developing new technologies tested in our laboratory by experienced engineers in order to provide you with long-lasting and high-quality products.