solidian·kelteks

solidian
Briksy
for durable and crack-resisant masonry walls

solidian-kelteks.com

EU — DEVELOPED AND MADE IN EU

CERTIFIED
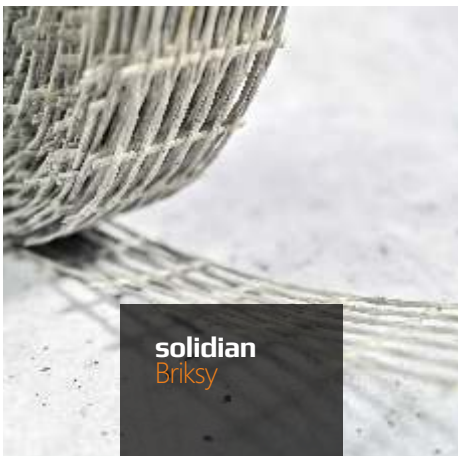ISO 9001
ISO 14001
BUREAU VERITAS

solidian Briksy

is non-corrosive reinforcement that provides superior durability compared to traditional metallic alternatives, with easy installation for efficient use across masonry projects. Enriched with special filler, it provides better bonding with mortar. Designed with a specially engineered surface, it ensures optimal bonding with the matrix, enhancing system performance and stability.

Ideal for new construction, solidian Briksy address masonry demands with exceptional crack resistance, load distribution, and resilience to environmental factors like moisture and temperature changes. Primarily strengthens in-plane flexural capacity of walls while also reinforcing against out-of-plane movement, particularly beneficial in vertical seismic loading.

solidian Briksy is suitable for a wide range of masonry projects, including residential, commercial, and industrial buildings. No matter the complexity of your project, BRIKSY provides safety and reliability at every stage of construction.

solidian Briksy Carbon L

Non-corrosive bed joint reinforcement made from high-performance carbon or alkali-resistant glass for reduced risk of wall damage and cracking under in-plane and out-of-plane forces.

solidian Briksy

solidian Briksy Carbon

Exceptional bonding
Innovative surface technology for ultimate wall strength

Our innovative surface technology ensures outstanding adhesion between reinforcement and mortar, delivering superior pull-out test results and enhanced structural stability. Trust in the best connection for the strongest performance.
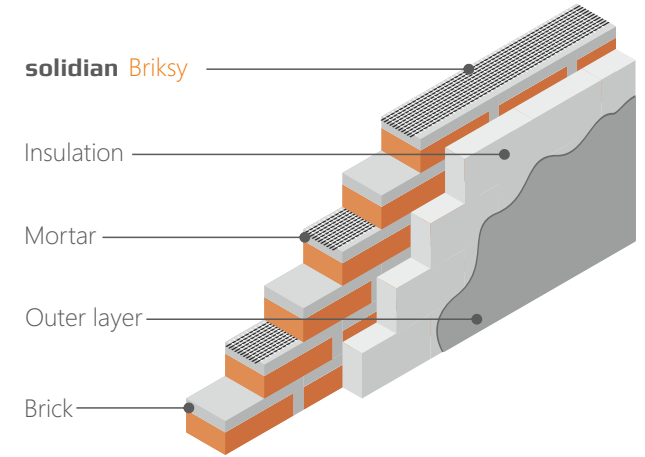
Advanced out-of-plane performance
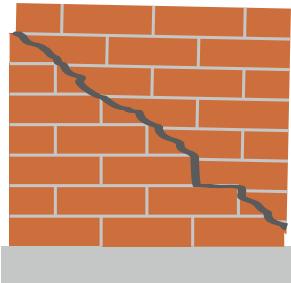### Reinforcing where it's needed most

Thanks to its non-corrosive properties, Briksy Carbon can be positioned on external wall edges, unlike conventional metal solutions that are prone to rust. This allows reinforcement to be placed exactly where it's most effective, significantly enhancing out-of-plane performance compared to standard reinforcements that remain in neutral zones.
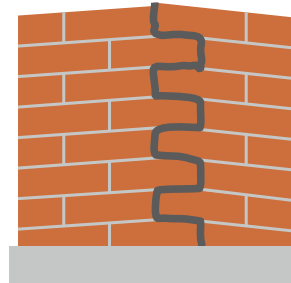
Simple installation

solidian Briksy should be installed horizontally in the wall at vertical intervals of no more than 50 cm, in compliance with NTC 2018 requirements.

- **solidian** Briksy
- Insulation
- Mortar
- Outer layer
- Brick

Elimination of the possible "in-plain" wall failure

Elimination of the possible "out of plane" movement

Briksy variations

Full brick reinforcement			Perforated brick reinforcement		Pillar reinforcement
40 mm	50 mm	75 mm	100 mm	200 mm	300 mm

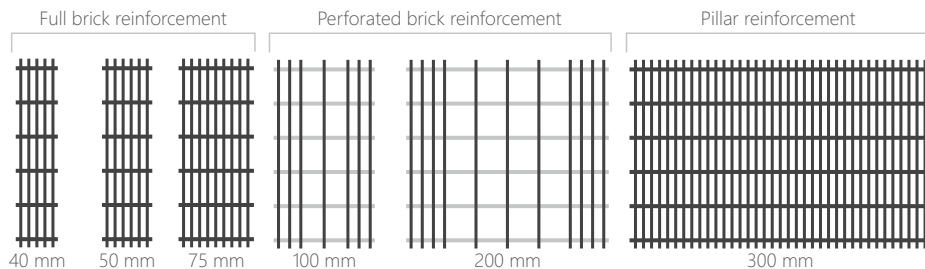## Easy & fast installation
Secure reinforcement without effort

Lightweight and easy to handle, Briksy Carbon simplifies installation, saving time and reducing labor costs. Enjoy a seamless installation process with a product that doesn't compromise on performance.

Superior strength
The power of carbon for your safety

Briksy Carbon offers tensile strength far beyond metal alternatives, making it ideal for projects demanding the highest levels of safety and stability. Reinforce your structures with unmatched reliability and resilience.

Corrosion free
The solution that withstands time and rust

Unlike traditional metal reinforcements, Briksy Carbon is entirely corrosion-resistant, ensuring long-lasting durability even in the harshest conditions like humidity, salt, and chemicals. Build walls that stand the test of time without worrying about rust or degradation.

Eco friendly
Protect your walls and our planet

Briksy is a sustainable alternative that reduces maintenance needs and extends the life cycle of buildings. Build responsibly with a product that delivers exceptional performance while caring for the environment.
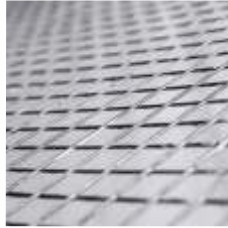
Other Products

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 has a particularly positive influence on crack formation in concrete components.
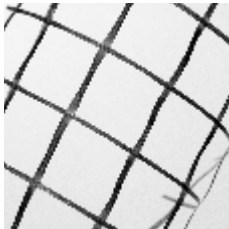
solidian GRID

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 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 FLEX GRID

Dank fortschrittlicher Produktionstechnologie können wir unsere Bewehrungen je nach Anwendung oder Kundenwunsch produzieren. Flexible High-Tech-Verstärkungen aus Carbon, Basalt oder Glas.

solidian REBAR

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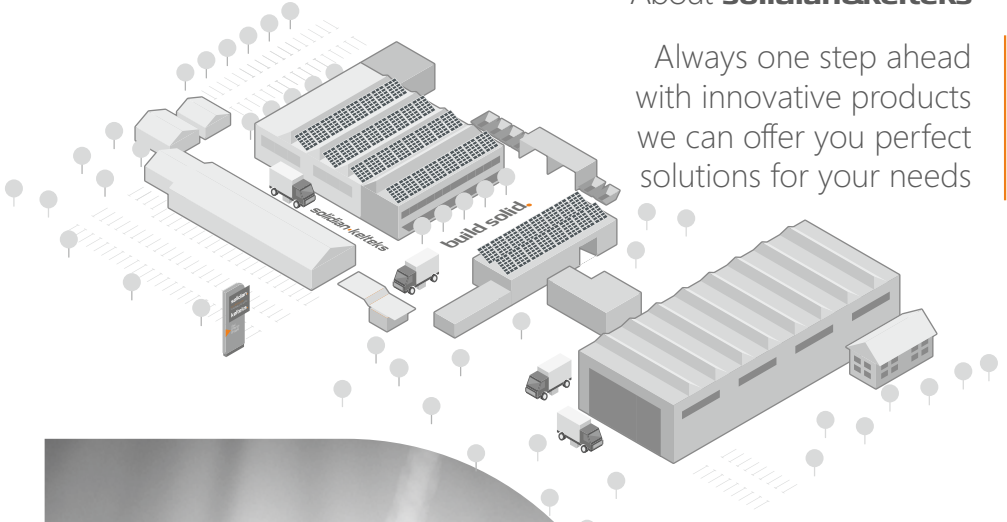
solidian Primafloor

solidian Primafloor will stop cracks during the most critical time of drying and curing of bonded screed, floating screed, unbonded screed or underfloor heating screed.
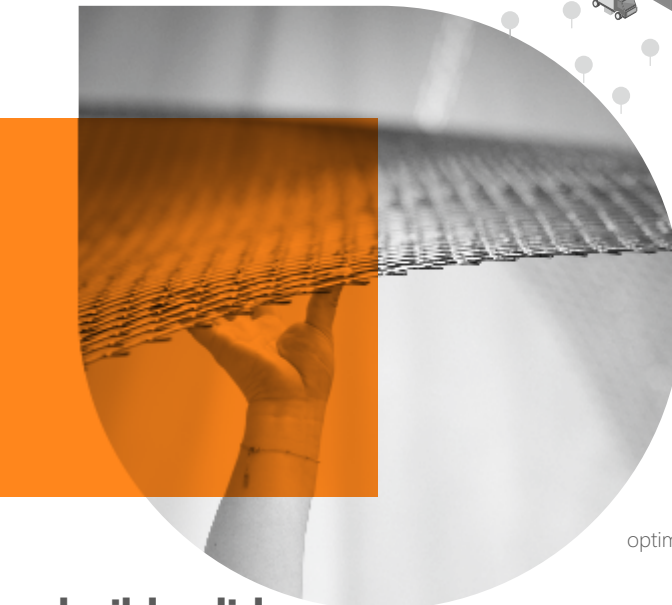
About **solidian&kelteks**

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

solidan&kelteks 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.

build solid.

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