

About this organisation

solidian is the leading manufacturer of non-metallic reinforcements made of carbon and glass fibers for innovative concrete construction. The reinforcements are used by building with textilereinforced concrete in architectural and structural elements as well as in furniture construction. They convince by corrosion-freedom, lightness and sustainability.

From the development and production of the reinforcements to the component calculation, solidian offers everything from a single source. Non-metallic reinforcements made of carbon and glass fibers are increasingly in use in innovative projects and convince through their technological and creative advantages. Especially in façade construction, the building material shows its combined strength of lightness, stability and diversity and is in increasing demand, as long as sustainable solutions are required. Planners and manufacturers of precast elements rely on solidian's extensive experience. In recent years, the company has made a name for itself not only as a manufacturer of non-metallic reinforcements, but also as a technology consulting project partner. The growing worldwide demand for this innovative building material demonstrates the enormous potential of building with textilereinforced concrete in various construction sectors.

Sigmaringer Straße 150
72458 Albstadt
Baden-Württemberg
Germany
www.solidian.com



Organisation type

Small or medium-sized enterprise

Sectors



Employees

10 up to 49

Turnover

n/a

Funding

n/a

About this organisation

Main areas covered	non-metallic reinforcement, application consulting, bar reinforcement
Infrastructure	Test Laboratory
Certifications	DIN EN ISO 9001:2015, abZ Fertiggaragen, abZ Sandwichwand
Keywords	reinforcement, fibre reinforced concrete, carbon concrete, carbon reinforcement, glass fibre reinforcement
Memberships	C ³ -Carbon Concrete Composites e.V., AFBW, DGNB, Composites United e.V. , GRCA

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
<i>Services & consulting</i>			
Field of technology			
Design & layout Hybrid structures, Lightweight material construction		✓	✓
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
Modelling and simulation Structural mechanics, Materials		✓	✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology Casting (concrete), Resin infusion process, Pre-preg processing		✓	✓
Forming Thermal converting		✓	
<i>Joining</i>			
Material property alteration Thermomechanical treatment		✓	✓
Primary forming Pultrusion		✓	✓
<i>Processing and separating</i>			
Textile technology Textile surface treatment and finishing, Weaving, Knitting, laid web production		✓	✓

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Textile-reinforced concrete		✓	✓
Fibres Basalt fibres, Glass fibres, Carbon fibres		✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
Plastics Thermoset plastics, Thermoplastics		✓	✓
<i>Structural ceramics</i>			
(Technical) textiles Laid webs, Woven fabrics		✓	✓

Contacts

Mr Josip Dilanović

Area Sales Manager

josip.dilanovic@solidian-kelteks.com