

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

We produce and distribute silica aerogel granules for various construction applications. We are the exclusive distributors of the CERABRAN® AEROPUTZ high-performance insulating plaster system, suitable for interior and exterior insulation in existing buildings, new builds and listed buildings. AEROPUTZ is purely mineral, without petroleum-based chemical additives and biocides, and impresses with its extremely low design value of 0.027 W(m-K) and fire resistance class A1.

Together with our research partner, we have developed an innovative production process for silica aerogel, which is currently being scaled up to an industrial scale. We use aerogel in CERABRAN® AEROPUTZ high-performance insulating plaster. AEROPUTZ is characterised by extreme durability and outstanding physical building properties. The system is reversible. Old plasters can remain on the façade; the appearance of the building is retained. The minimum thermal insulation can be achieved on almost any building with the thinnest of layers. This makes AEROPUTZ a sustainable alternative to traditional, petroleum-based ETIC systems. In addition, we are conducting joint research with the University of Stuttgart on mineral foams using aerogel, e.g. for reinforcing timber frameworks in serial refurbishment, as well as on infra-lightweight concrete with aerogel for modular and monolithic construction.

Franz-Haniel-Platz 1
47119 Duisburg
North Rhine-Westphalia
Germany
www.aerolight.net



Organisation type

Small or medium-sized enterprise

Sector



Employees

Up to 9

Turnover

Up to €2m

Funding

About this organisation

Main areas covered

Silica aerogel granules, Aerogel high-performance insulating plaster

Infrastructure

Certifications

Keywords

Aerogel, silica aerogel granules, aerogel granules

Memberships

Alliance for Development and Climate Foundation, Enkelfähig e.V., Urban Zero, Senate of Economy Europe

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting		✓	✓
Technology transfer			
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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Managing director and founder

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