



06 19 2025

MURICO8: EDILTECO TECHNOLOGIES FOR LIGHTER, SAFER, AND HIGHER-PERFORMING STRUCTURES

From **June 25 to 27, 2025**, Edilteco will participate in the **MuRiCo8 International Conference** – www.murico8.com, one of the most important events for the technical-scientific community involved in structural reinforcement of masonry using composite materials.

We are deeply proud to have been selected, alongside just two other industrial companies, as an official partner of such a prestigious and exclusive event.

This is a valuable opportunity to share our know-how and contribute to the development of increasingly innovative solutions in the field of structural engineering.

MuRiCo8: the evolution of masonry structures

MuRiCo8 – an acronym for **Masonry, Mortars, Materials and Strengthening with Composite Materials** – is an international conference focused on the latest developments in the design, modeling, monitoring, and experimentation of masonry reinforced with composite materials such as **FRP** (fiber-reinforced polymers).

Organized by **AICO**, the event will take place in the **Bertalia district** of the University of Bologna and will bring together researchers, professionals, and companies in the sector to promote knowledge exchange and the adoption of advanced technologies in structural engineering.

Key topics to be addressed at the conference include:

- Performance of masonry reinforced with composite materials (FRP, FRCM, TRM, SRG)
- Interactions between masonry and composites under critical conditions – such as fatigue, fire, or long-term durability
- Evolution of strengthening techniques applied to historical buildings

Special attention will also be given to sustainability and life cycle analysis of materials.

Discover the full MuRiCo8 program on the official website:

www.murico8.com

Edilteco structural reinforcement solutions: focus on FRP, fire protection, and lightweight screeds

Edilteco will present high-tech solutions at MuRiCo8, fully aligned with the conference's themes, particularly in the field of reinforced and prestressed concrete.

Its technologies combine structural efficiency, fire safety, and lightness, ideally suited for reinforcement applications in both civil and industrial sectors:

• Protherm Light® FRP

An advanced composite panel designed for **passive fire protection** of FRP and organic resin reinforcements.

Composed of a nanotechnology panel paired with a layer of thermo-insulating render, it has a total thickness of just 40 mm.

Tested to **EN 1363-1**, it offers a **certified, reliable, and durable fire barrier**, easy to install and compatible with various substrates.

- **Protherm Light®**

A **lightweight, pre-mixed, thermo-insulating render** for fire protection of structural elements in steel, concrete, brick, and metal.

Thanks to its formulation based on virgin EPS enriched with E.I.A., it provides **fire resistance (up to REI 240)**, good durability, and easy application even in harsh weather conditions.

Suitable for indoor and outdoor use, available in **white and grey**.

- **La Chape XXS®**

A **fiber-reinforced, ultra-lightweight screed** (1200 kg/m³), designed for thin applications starting from just 1 cm.

Made with virgin expanded polystyrene beads and E.I.A. additive, it ensures excellent workability even on irregular surfaces.

Its high mechanical strength allows for **direct application of coverings in very short times**:

- 24 hours for ceramic coverings
- 36 hours for soft floorings (minimum 3 mm thickness)
- 3 days for floating parquet and laminate flooring

Its lightweight nature helps reduce static loads, making it an ideal solution for more efficient and sustainable design.

A concrete contribution that reflects Edilteco's ongoing commitment to supporting the evolution of structural engineering through effective, safe, and forward-thinking solutions.

AICO: A National Benchmark for Composite Materials in Construction

Founded in 1996, **AICO – Italian Association of Fibrous Composites for Construction** is the first Italian organization dedicated to promoting research and innovation in the field of composite materials for the building industry.

With strong academic roots at the University of Bologna, AICO is a **non-profit organization** that fosters dialogue between research and professional practice by promoting the use of fibrous composites — **high-strength continuous fibers embedded in organic or inorganic matrices** — in three key areas:

- **reinforced and prestressed concrete**, using FRP to strengthen structural elements;
- **structural systems**, through innovative FRP profiles and hybrid systems;
- **rehabilitation and strengthening**, offering solutions for the reinforcement of masonry, concrete, wood, and steel.

AICO is also the **promoter and organizer** of **MuRiCo8**, a reference conference that fosters collaboration between academia, industry, and design professionals, encouraging the **dissemination of best practices** and the **development of new technologies** in the field of **composite materials for construction**.