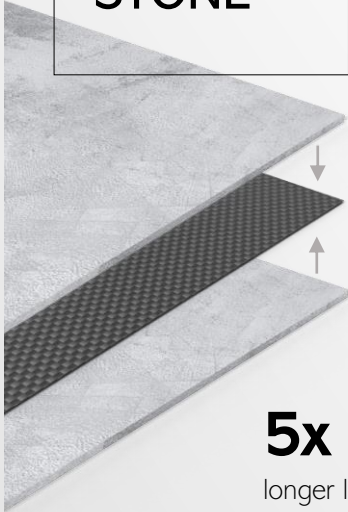


CARBON FIBRE STONE®

THE FIRST SUSTAINABLE HIGH PERFORMANCE MATERIAL
WHICH CAN REPLACE STEEL, CONCRETE & METAL ALLOYS



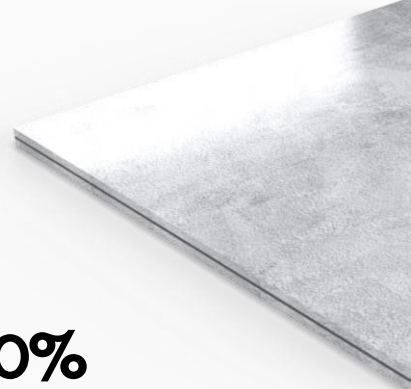
Stone

Carbon fibre

Stone

Multi-layered composite
assembled thanks to our

patented technology



5x

longer lifetime
(no corrosion, no cracks)

3x

lighter than steel
for the same performance.

90%

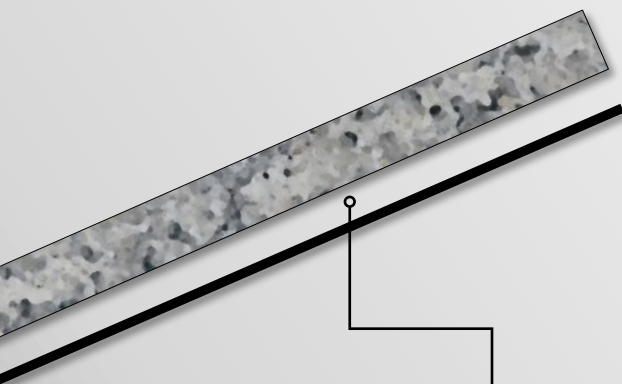
less greenhouse gas emissions
than steel or concrete

LUXURY LIGHTWEIGHT TILING FOR FLOORING & FACADES

The beauty of stone with the weight of aluminum, no cracks.



- 2-3x lighter and thinner build
- Quick installation time
- Slashed maintenance costs
- Better strength and durability
- Resistance to extreme weather conditions



Stone

Carbon fiber

Take your aesthetics the extra mile
and hide stoves, speakers, heaters, sensors,
contactless phone charging stations behind
the stone of your choice.

Chips, sensors, resistors and inductors can
be inserted between the stone layer and the
carbon fibre layer of our material, giving an
extra functionality to your design
without sacrificing aesthetics.



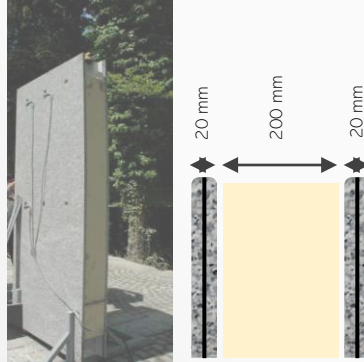
THE FIRST SUSTAINABLE HIGH PERFORMANCE MATERIAL
WHICH CAN REPLACE STEEL, CONCRETE & METAL ALLOYS

PAST PROJECTS

Anti-frost lighter and safer balconies and rooftops



Thinner stone walls allowing more space for insulation



Shatterproof and lighter solar panel, door and window frames



OTHER STRUCTURAL APPLICATIONS OF CARBON FIBRE STONE®

CFS can be used in combination with cement to enhance the global footprint of a building :

- Stairs
- Beams
- Pipes
- Building cores
- Rooftops
- Vaults



CFS can replace steel reinforced concrete in rebars and preforms, enabling low-carbon cement to reach the highest performance standards



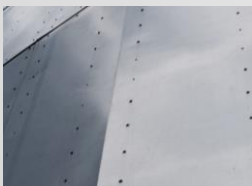
CFS preforms speed up the construction process by optimized :

- Weight
- Drying times
- Assembly times



BETTER PERFORMANCE, BETTER DURABILITY, BETTER IMPACT

Steel



3x
heavier for the same performance
10x
more CO₂, particles and clinker

Concrete



3x
bulkier and heavier
10x
more CO₂, water and land use

Aluminium



2-5x
more fragile
20x
more energy intensive

Polymers



10-20x
more expansible
10-20x
sensitivity to creep

WOULD YOU LIKE TO EXPLORE APPLICATIONS FOR YOUR INDUSTRY WITH US?

Contact us: info@technocarbon.fr