



Today an increasing number of products are manufactured in composite materials. In the absence of available technology for recycling, discarded products of composites have so far ended up in landfills or as fuel in powerplants.

The Danish company Miljøs-kærm® has independently developed noise barrier products based on an acoustic material of recycled composites. Recycling discarded composites in traffic barriers reduces:

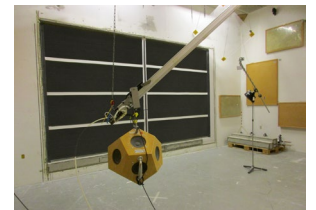
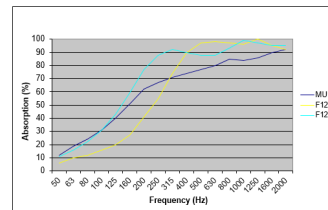
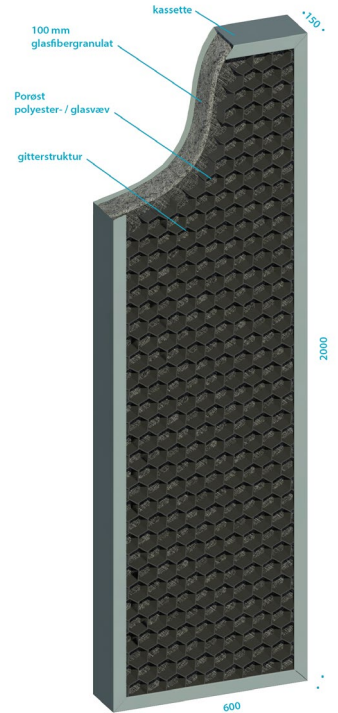
- a growing waste problem as well as the requirement for processing of virgin materials
- CO<sub>2</sub> print and energy consumption by replacing materials requiring more energy for processing and contributes to an improved quality of life by reducing noise from machinery and road traffic.

Innovative noise barrier consisting of acoustic material of recycled composites in frames of recycled plastic reduces the noise from road traffic for citizens in Copenhagen suburb Vallensbaek.



Noise barriers by Miljøs-kærm® contain an acoustic core material of recycled composites. The material is mounted in a frame of weather-resistant material, for example wood, metal, recycled polymer and fiber-reinforced materials. Mounted in between a rigid open structure and a solid plate the acoustic material is well protected from mechanical damage.

The acoustic properties of the recycled composite material fully matches the mineral wool typically applied in other noise barriers.



Acoustic elements with recycled composites material in frames of galvanized steel mounted on a concrete wall reduces the noise from a recycling company in Copenhagen suburb Glostrup.

