



*“When the lifecycle of our steel fibres is viewed as a whole, our production is almost CO<sub>2</sub> neutral.”*

**Dr. Christian Neunzig**  
Technical Manager Construction Technology

**BUILDING  
MORE SUSTAINABLY  
BECAUSE WE TAKE  
RESPONSIBILITY.**

**KrampeHarex GmbH & Co. KG**

Pferdekamp 6-8  
59075 Hamm | Germany  
T +49 2381 9779 - 77  
F +49 2381 9779 - 55

[www.krampeharex.com](http://www.krampeharex.com)  
[info@krampeharex.com](mailto:info@krampeharex.com)

**More information** about our  
Environmental Product Declaration:



Creator



EN 15804 & ISO 14025

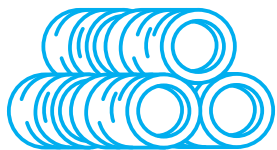


# KNOW WHY OUR STEEL FIBRES ARE SETTING BENCHMARKS WITH THE EPD.

## 1. Raw materials

### ACT CONSISTENTLY, START WITH RAW MATERIAL.

Even before production, we set the course for the sustainability of our steel fibres. 95 percent of our raw material is delivered to us by ship or train exclusively from Europe and is 90 percent recycled too.

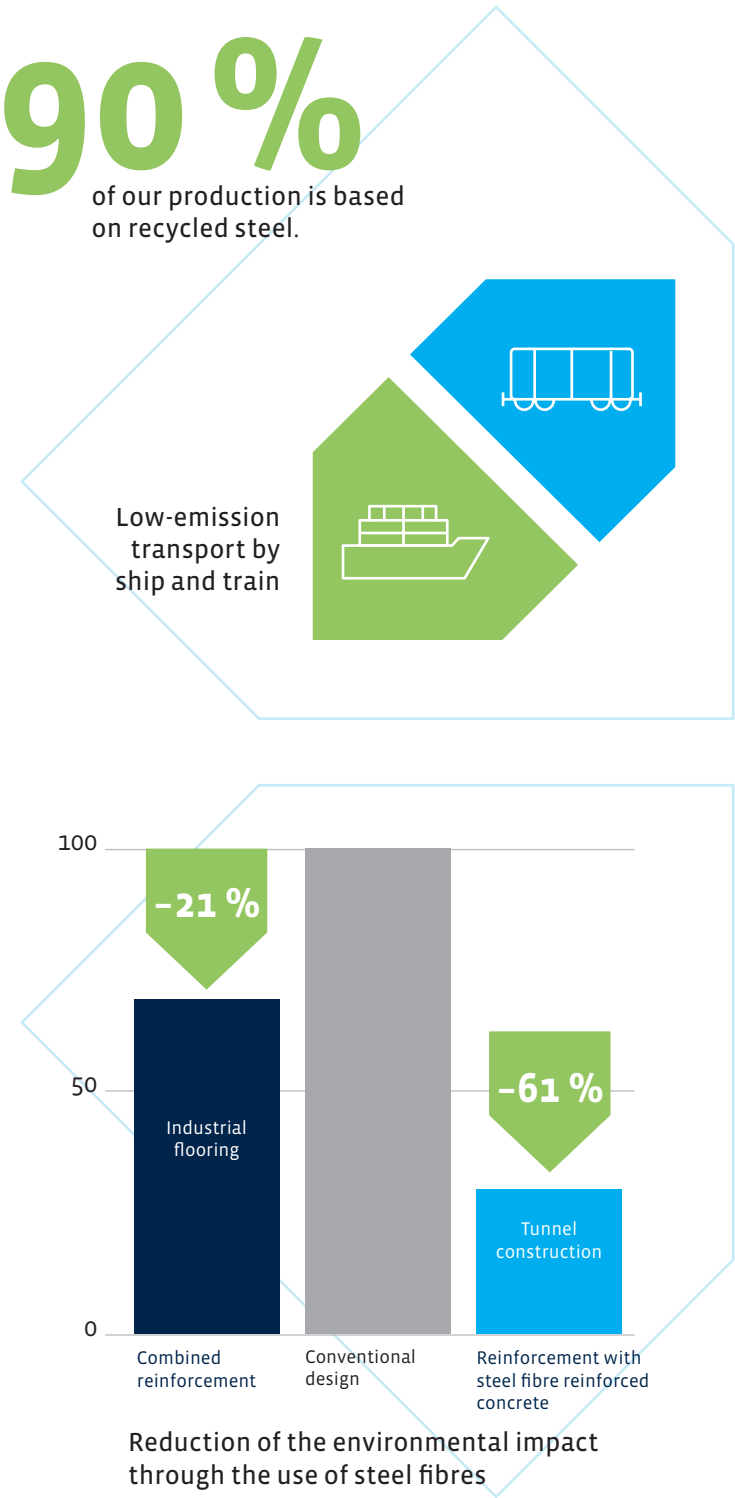


We purchase our wire rod exclusively from European manufacturers.

## 3. Application

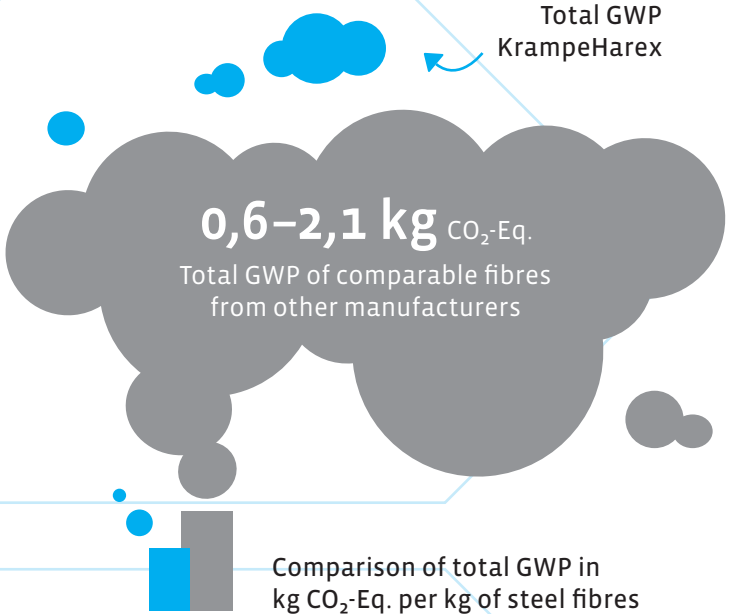
### REINFORCE OPTIMALLY, SAVE MATERIAL.

When steel fibre-reinforced concrete is used for tunnel construction, for example, most of the Portland cement can be substituted and steel bars can be dispensed with. In industrial flooring, combined reinforcement reduces the necessary slab thickness and thus the minimum reinforcement required. This has a positive impact on material requirements and the environment.



The **Environmental Product Declaration (EPD)** maps the ecological footprint of a product over its entire lifecycle – from raw material through to recycling potential. The steel fibres from KrampeHarex perform above average in terms of production, application, use and recycling.

**0,26 kg** CO<sub>2</sub>-Eq.



## 2. Production

### PLAN RESOURCE-EFFICIENTLY, BUILD SUSTAINABLY.

Our fibres perform significantly better than those of other manufacturers in terms of overall greenhouse warming potential. This is due to our integral approach, which requires the economic use of resources from the procurement of the raw material through to shipping of the fibres.

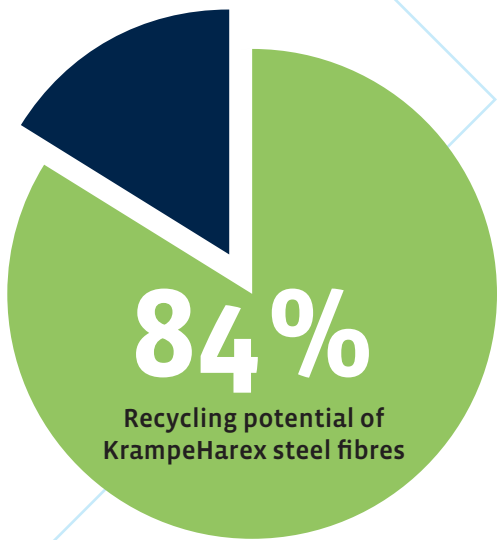


In addition, we buy our electricity to 100 percent from renewable energy sources and produce a considerable share of our requirements ourselves thanks to our photovoltaic plant.

## 4. Use and recycling

### USE RECYCLING POTENTIAL, GO EASY ON THE ENVIRONMENT.

During its useful life, steel fibre reinforced concrete is less prone to crack formation and demonstrates increased mechanical resilience. This allows maintenance costs to be reduced and increases the service life of the concrete. If the complete lifecycle of our steel fibres is considered, 84 percent of the production-related environmental impact can be mathematically offset by the positive effects of recycling.



For us, acting responsibly goes far beyond protecting the environment. Responsibility also plays a major role at KrampeHarex in human interaction, in our business activities, in research as well as in the transfer of knowledge.

Find out more:  
[www.krampeharex.com/responsibility](http://www.krampeharex.com/responsibility)

