

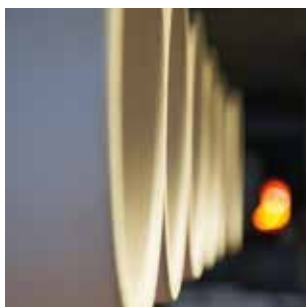


CARBON-NEUTRAL VITRIFIED CLAY PIPES
TECHNOLOGY FOR FUTURE GENERATIONS

CARBON-NEUTRAL PRODUCTION. ANOTHER STEP TOWARDS THE FUTURE.

Climate protection is one of the greatest challenges of our time. To safeguard our future we need to reduce greenhouse gas emissions and energy consumption, and make more efficient use of renewable energy sources.

Many towns and cities are aware in their share of the responsibility for this issue and are leading the way by adopting green public procurement strategies. Quite a number of ambitious municipalities have managed to neutralise their carbon footprint by converting to green electricity and implementing other environment-related projects.



Our contribution to climate protection

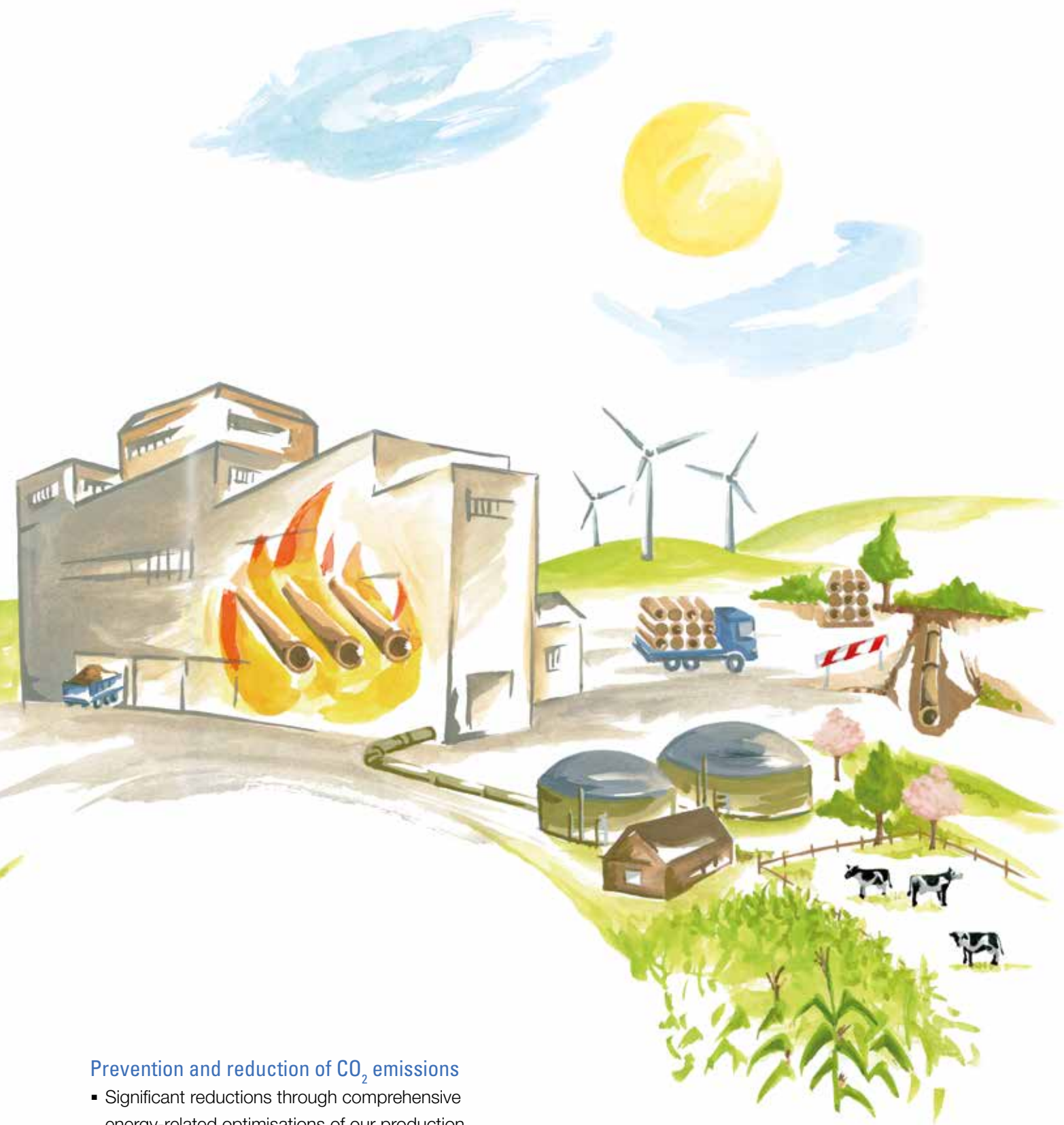
We have the know-how to prevent, reduce and offset CO₂ emissions with effective strategies and actions. When it comes to protecting our climate, every single step in the right direction counts.

All prepared – in line with international standards

As a manufacturer of wastewater pipe systems made of vitrified clay, we stand for products made of 100% natural raw materials, and have been dedicated to effective environmental protection and sustainability for many years now. The successful Cradle to Cradle® certification of our vitrified clay pipe systems motivates us to devote more to climate and environmental protection.

Our carbon-neutral vitrified clay pipes are manufactured with state-of-the-art fast-firing technology in one of the most modern production facilities for vitrified clay products worldwide.

We have implemented a number of measures and fulfil the highest requirements of international standards to ensure carbon-neutral production.



Prevention and reduction of CO₂ emissions

- Significant reductions through comprehensive energy-related optimisations of our production facilities, e.g. with waste heat recovery via additionally installed heat exchangers.
- Installation of a biogas plant at our Bad Schmiedeberg production site.
- Exclusive use of green electricity from 100% renewable energy sources.

Determination of the carbon footprint

The reduction of CO₂ emissions is also reflected in our carbon footprint. This has been verified by independent energy and environment experts from TÜV Rheinland, based on ISO 14067, the guidelines for the quantification and the communication of a product's carbon footprint.



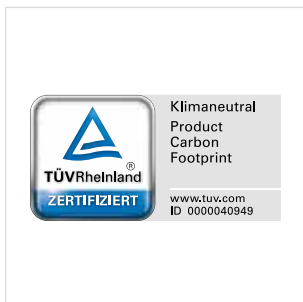
It's worth it – for future generations.

We even take it a step further and exceed the recommendations in the standard – for even more climate protection. Above and beyond the production-related carbon footprint, emissions that result from pipe transport to the construction site are also taken into account.

Carbon-neutral – for green trade

Our environment-friendly pipes live up to their description: they are carbon-neutral from the mining of the raw materials right up to construction site delivery. To achieve this quality, all the calculated emissions are offset by tested and registered climate protection projects based on internationally recognised standards and guidelines.

The independent energy and environment experts from TÜV Rheinland back and confirm our practices, agreements, and compliance with the guidelines.



We support local authorities – carbon-neutral and environment-friendly

Producing carbon-neutral pipes represents a further decisive step in terms of our responsibility for climate and environmental protection. As a co-benefit, we hope to encourage utility providers in their efforts to practise more ecology and green procurement to increase the carbon-efficiency of more towns and cities. Join us on our “carbon-neutral” journey!



Pipe systems fitted with S Joint consist of a ceramic-rubber seal. After firing, the socket joint and the spigot are ground with a high degree of precision to the required dimensions. The spigot is pre-assembled with an EDPM sealing ring.

S Joint with jointing system C, glazed on the inside, unglazed on the outside

Energy-saving fast-firing method

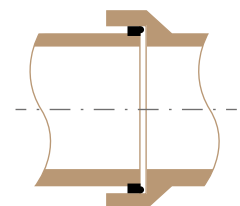
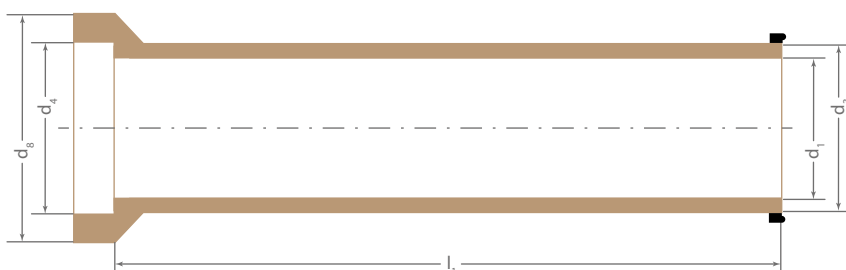
Horizontal production with the fast-firing method and high-precision grinding technology guarantee that we produce long-lasting vitrified clay pipes that meet the highest standards.

The success of energy-saving fast-firing technology confirms our confidence in modern technologies.

KeraBase / KeraPro Pipes – Normal / Extra Strength*

Nominal dimension	Joint	Jointing system	Pipe diameter		Socket diameter		Length	Weight	Crushing strength	Strength class
			inner d_1 mm	outer d_3 mm	inner d_4 mm	outer d_8 mm				
200 N	S	C	200 ± 5,0	242 ± 5,0	260 ± 0,5	340	250	37	40	200
200 H	S	C	200 ± 5,0	254 ± 5,0	275 ± 0,5	360	250	43	48	240
250 N	S	C	250 ± 6,0	299 ± 6,0	317,5 ± 0,5	400	250	53	40	160

* Production with state-of-the-art fast-firing technology



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