CO_2 transparency

for all our products

RHI MAGNESITA

Transparency is a solid basis for sustainable decisions and developments and a valid database is key. Therefore, we are proud — as the number one company in our industry — to provide full transparency by disclosing the CO_2 footprints of all our products in our Technical Data Sheets.

The included CO_2 footprint data will enable you to:

1. **better address your customers needs with the most suitable technical and sustainable products and solutions.**
2. **remain competitive — for example, when meeting sustainability regulations or participating in tender processes.**
3. **make sustainable decisions and progress by including our environmental indicators in product cycles and sustainability reports.**

Cradle to gate

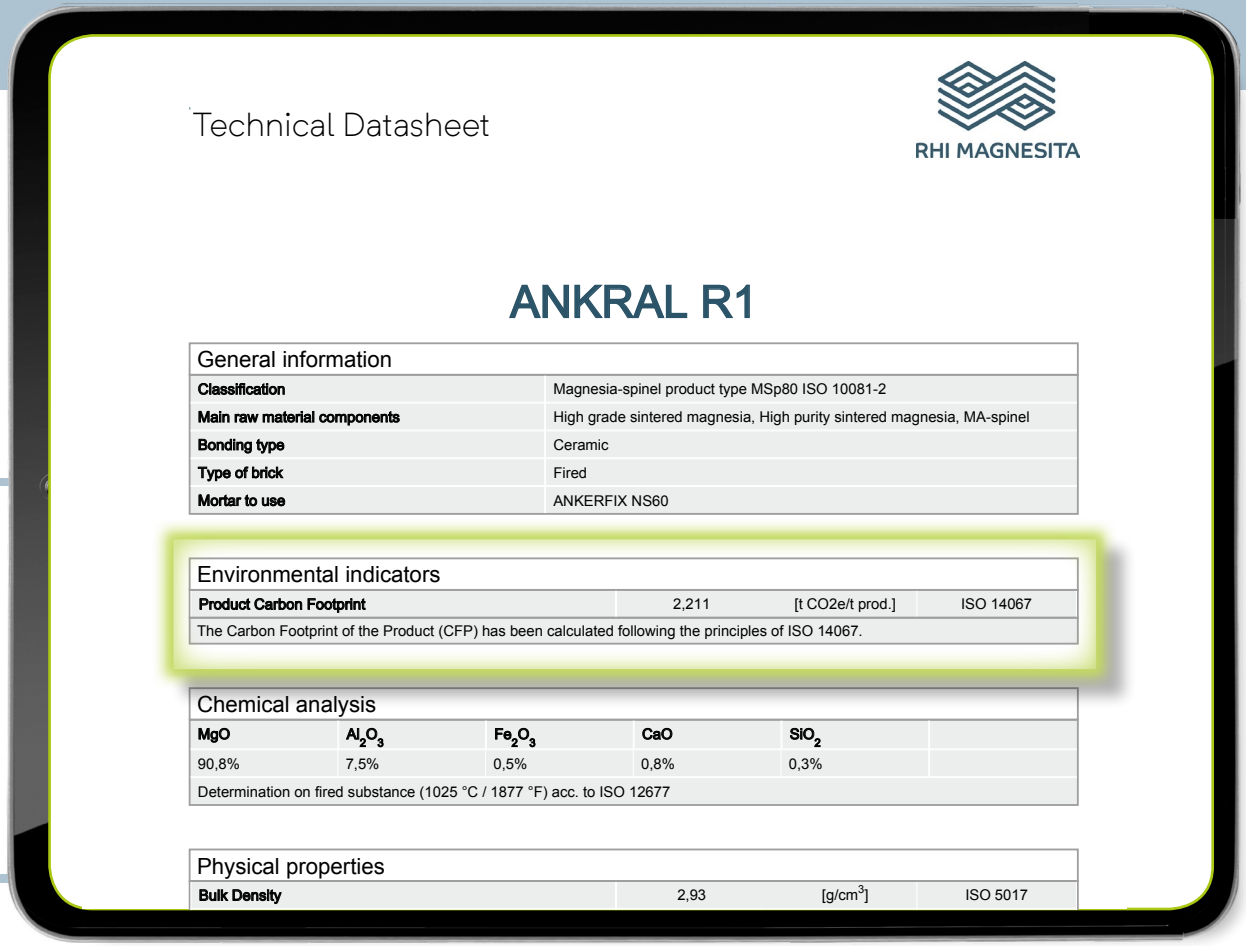
RHI Magnesita's product carbon footprint calculations use an approach where all attributional processes from "cradle-to-gate" is included. Meaning, all greenhouse gases from raw material extraction to production to packaging to gate are considered in the calculations.

One step further

RHI Magnesita includes not only specific scope 1 and 2 emissions for all product groups. But also raw material-related emissions from scope 3 in direct relation with the production process are added to each product specific emission with an average value.

ISO standards

The calculation method of environmental indicators is developed with and supervised ongoingly by external experts under the principles of ISO standards (following primarily the requirements of ISO 14067 and ISO 14025).



Technical Datasheet

RHI MAGNESITA

ANKRAL R1

General information	
Classification	Magnesia-spinel product type MSp80 ISO 10081-2
Main raw material components	High grade sintered magnesia, High purity sintered magnesia, MA-spinel
Bonding type	Ceramic
Type of brick	Fired
Mortar to use	ANKERFIX NS60

Environmental indicators			
Product Carbon Footprint	2,211	[t CO2e/t prod.]	ISO 14067
The Carbon Footprint of the Product (CFP) has been calculated following the principles of ISO 14067.			

Chemical analysis					
MgO	**Al_2O_3**	**Fe_2O_3**	**CaO**	**SiO_2**	
90,8%	7,5%	0,5%	0,8%	0,3%	
Determination on fired substance (1025 °C / 1877 °F) acc. to ISO 12677					

Physical properties			
Bulk Density	2,93	[g/cm^3]	ISO 5017