

# Sustainable, CO<sub>2</sub>-offset products



MAPEI promotes the **total offsetting of residual CO<sub>2</sub> emissions** during the life cycle of products by acquiring certified carbon credits to support the implementation of renewable energy and reforestation projects.

**Since 2012, MAPEI Group has offset over 80,000 tons of CO<sub>2</sub>** associated with the manufacturing of numerous products by acquiring certified carbon credits. Now, in 2023, the CO<sub>2</sub> emissions offset program comes to North America.

## Zero impact

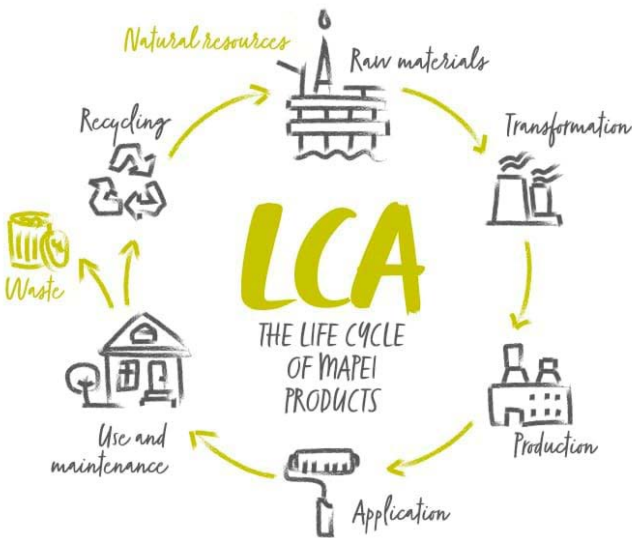
For MAPEI, “zero impact on climate change” means that CO<sub>2</sub> emissions measured throughout the life cycle of products from the Zero line in 2023, using Life Cycle Assessment (LCA) methodology, verified and certified with EPDs, have been offset through the acquisition of third-party-certified carbon credits in support of renewable energy and forestry protection projects.

## How do we measure CO<sub>2</sub>?

CO<sub>2</sub> emissions from our products are expressed in kg of CO<sub>2</sub> equivalent per kg of product and are calculated using standardized **Life Cycle Assessment (LCA)** methodology. The analysis of the life cycle of a product is an evaluation of the environmental impacts that the product has throughout all the phases of its life. Calculations are

made from extraction of the raw materials that make up the formula, to their transport to the production plant, through the production cycle, product packaging, waste materials, transportation of the finished product to the distributor, and its final disposal.

This LCA method in which each life phase of a product is taken into consideration is called “from cradle to grave.”



Scan to learn more about MAPEI Ultralite® Mortar Zero.



## Environmental impacts measured



Climate change



Acidification



Ozone depletion



Depletion of minerals and metals



Photochemical ozone creation



Depletion of fossil fuel



Eutrophication

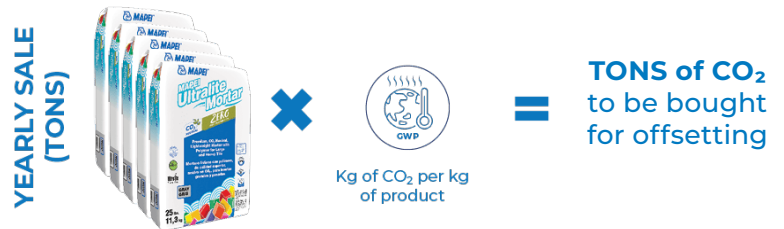


Water deprivation

### How do we certify the values?

The results obtained through LCA are verified and certified by an external body with an Environmental Product Declaration (EPD), published with The International EPD System.

An EPD is prepared according to international standards (ISO 14025 and EN 15804, etc.) and shows the product's environmental impact during its life cycle. MAPEI EPDs can also be found on the MAPEI Website at <https://www.mapei.com/us/en-us/about-us/sustainability/health-and-environment/epd>.



### How do we calculate the amount of CO<sub>2</sub> to be offset?

Once the amount of CO<sub>2</sub> has been calculated and expressed in kg of CO<sub>2</sub> equivalent per kg of product, this figure is multiplied by the amount in tons of product manufactured.

### How do we offset CO<sub>2</sub>?

Through the acquisition of certified carbon credits to support renewable energy and forestry protection projects, this is our commitment to the planet, to people and to the environment. One credit corresponds to one ton of CO<sub>2</sub> offset. The number of credits to be purchased is determined by the amount of CO<sub>2</sub> in the product tons produced (not sold).

### How do we choose projects?

The projects must have a significant, sustainable impact on development in emerging countries far beyond the reduction of CO<sub>2</sub> emissions. In fact, this impact complies with many of the United Nation's Sustainable Development Goals (SDGs) from a social, economic and environmental perspective.

### Why the initiative can be relied on:

- Because we **calculate** CO<sub>2</sub> emissions using LCA methodology with results reported and registered on verified and certified EPDs
- Because carbon offset credits are **certified** and projects are monitored by international bodies
- Because our R&D laboratories constantly develop **high-quality, durable** products designed to reduce our environmental impact and to offset our carbon emissions made during the manufacturing process

*CO<sub>2</sub> emissions measured throughout the life cycle of products from the Zero line in 2023 using Life Cycle Assessment (LCA) methodology, verified and certified with EPDs, have been offset through the acquisition of third-party-certified carbon credits in support of renewable energy and forestry protection projects. A commitment to the planet, to people and to biodiversity.*