

SUSTAINABLE

innovation



 **MAPEI**[®]



SUSTAINABILITY

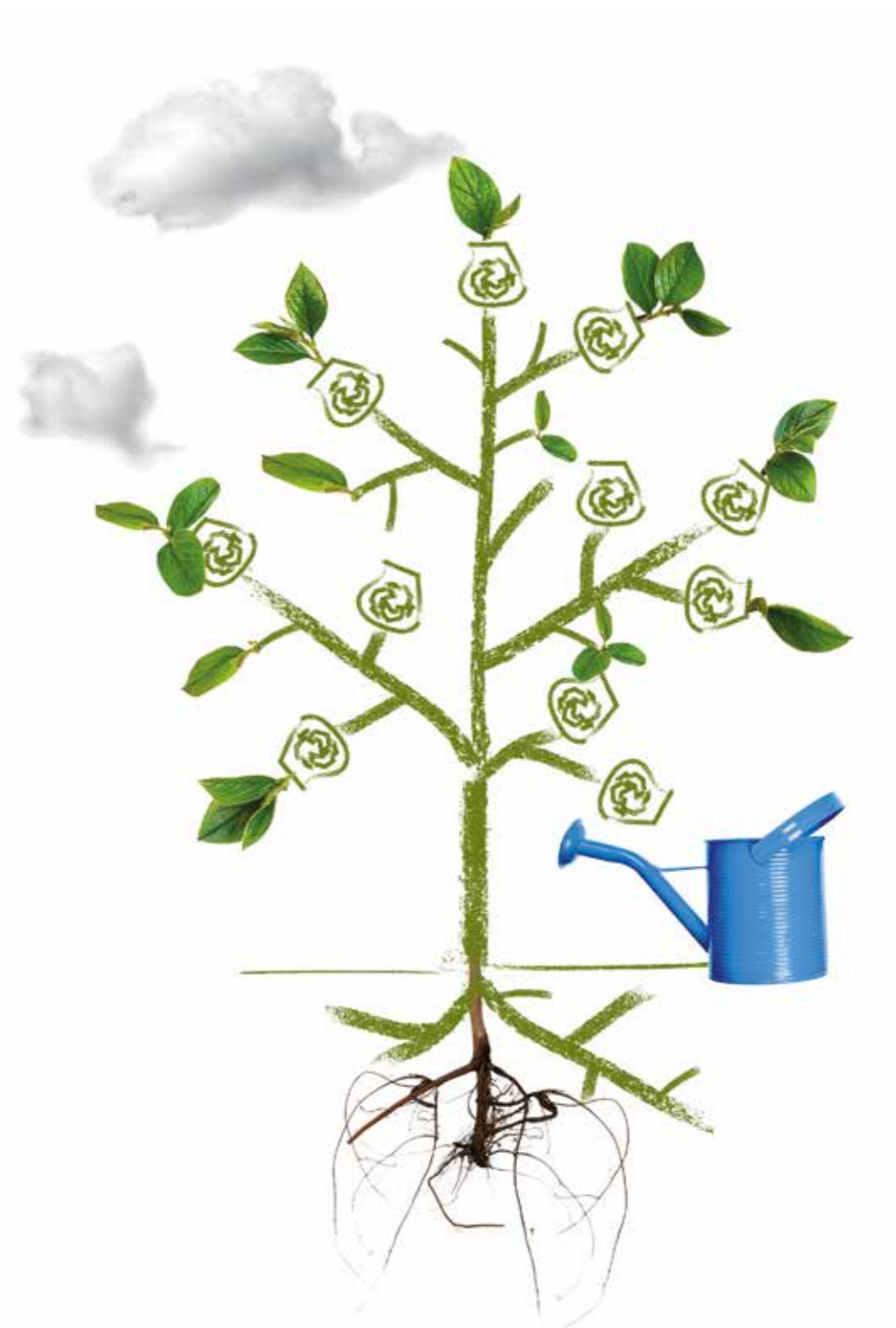
Mapei approach

Mapei was founded more than eighty years ago in Milan, Italy, and since then has been proposing solutions of excellence for chemical products for the building sector all around the world. Its products are used in both the construction of large-scale infrastructures and iconic works of architecture, as well as in the residential sector. A target achieved without ever forgetting that it is only a constant, open and transparent dialogue with our contacts and clients that enables us to truly understand the real needs of the market and to provide **innovative and sustainable responses**.

Mapei pursues a **concept of sustainability** that encompasses a host of aspects in terms of living comfort and wellbeing. It firmly believes that the profits of a company should go hand in hand with **ethics, respect** for people and the **creation of value for the territory**.

It has always applied these principles to its strategy. And with this document, once again, the company wishes to underline this approach because, at times, simply doing something is not enough; you also need to share values and expectations. There are three cornerstones to **sustainability according to Mapei**: the **planet, projects** and **people**.

at the root of every
CHOICE



more sustainable for the **PLANET**



Preserving the planet, a concrete commitment

Day after day, **Mapei** studies and develops **solutions with increasingly lower impact on the environment** to help preserve the planet. To achieve these results, it monitors and minimises the effects generated by products throughout their entire life cycle, from production to packaging and from application to disposal. Environmental sustainability for the Group starts here.

The life cycle of Mapei products

Mapei calculates the impacts its products have on the environment using the standardised **LCA (Life Cycle Assessment)** method, resulting in the issuing of an **Environmental Product Declaration (EPD)**.

The analysis of a product's life cycle, therefore, is an evaluation of its impact on the environment during each and every stage of its life



An EPD for every product

EPDs are used to document the **effects a product has on the environment** throughout its entire life cycle and **Mapei** is in possession of this type of certification for many of its solutions. The impacts on the environment taken into consideration are numerous: from global warming to the depletion of our planet's natural resources to the influence they have on the ecosystem. For **Mapei** it is important to minimise any negative effects its products have on the environment in order to make them more and more sustainable: and to achieve this scientifically it always measures their impact according to international standards. In the construction sector, EPDs are a fundamental element and help clients choose products with a low impact on the environment in order to meet the requirements of organisations and certification protocols for sustainable building.

Circular Economy

Mapei has received national and international awards for its approach to the Circular Economy and stands out for its proposals for innovative and sustainable systems and solutions.

more sustainable in PROJECTS



Innovating thinking about new generations

Mapei has an eye on the future when creating products and offers innovative solutions for **designing and constructing in an eco-sustainable way**. This is a commitment that requires a sense of responsibility and the ability to make concrete choices in order to supply designers, contractors, workers and clients with solutions that are safe, reliable and long-lasting and that have the lowest impact possible on the environment.

Mapei contributes towards a **quality, durable building industry** through products formulated using **innovative, ultra-lightweight** raw materials made from **recycled materials** developed to reduce energy consumption and with very low emissions of volatile organic compounds (VOC).

LEED v4.1 Designing and constructing responsibly

LEED v4.1 - Leadership in Energy and Environmental Design is a voluntary protocol that enables buildings to be designed and constructed according to eco-sustainable criteria. This **building certification system**, developed by the U.S. Green Building Council, is adopted all around the world and takes into consideration various aspects, such as the construction site, water and energy savings and the products actually employed on site. And the products used can play an important part in being awarded LEED certification in three specific areas:

- Sustainable site
- Materials and Resources
- Internal air quality

To help understand which products can help obtain LEED credits, Mapei has several tools available, such as **P.A.S.S.**

P.A.S.S. A concrete help

To simplify the work of designers, Mapei has created **P.A.S.S. (Profile, Aspects and Synthesis of Sustainability)**, documents that verify the conformity of a specific Mapei product to the criteria of the LEED protocol.

Keraflex Maxi S1 zero and Ultracolor Plus: the product with zero impact on climate change

Mapei promotes the **total offsetting of CO₂** emissions during the life cycle of products by purchasing certified environmental credits to promote the implementation of renewable energy projects.



more sustainable for

PEOPLE



A sense of responsibility towards the community

Mapei always puts **people at the centre** and is constantly committed to maintaining and guaranteeing a **transparent and direct relationship** with all contacts and clients, both within the company and external to the company.



- **Employees:** Mapei creates a work environment that focuses particularly on the health and safety of its employees thanks to several initiatives, with the primary objective being the **wellbeing of the person** and not just the worker; it also firmly believes in the importance of training and the professional development of its employees, which is why it invests in numerous **training activities**.
- **Branches and subsidiaries:** Mapei implements concrete initiatives to reduce the Group's greenhouse gas emissions and invests in **cogeneration and photovoltaic power plants** as part of a drive towards **self-generated electrical energy**.
- **Clients and end users:** spreading a culture of sustainability means raising the level of **knowledge and awareness** within the world of building. This is why **Mapei Group** organises training courses and events open to clients and consumers so they may remain **constantly updated** about the company's solutions and products.
- **Suppliers:** to guarantee **efficient purchasing processes** that help towards reducing environmental impacts, **Mapei** pays particular attention to how its suppliers are distributed geographically.
- **Research & Development partners:** Mapei collaborates with the scientific community, training institutes and university research centres in the **sharing of sustainable ideas and know-how**.
- **Communities:** Mapei provides an important **contribution to the sustainable development** of the territories and communities in which it operates with support initiatives focusing on sport, culture and taking care of those around us.

Thinking about future generations

Solutions that improve our sense of comfort, such as **soundproofing, Radon abatement, fire-protection and anti-seismic strengthening** systems and solutions, bring wellbeing to people. A feeling that also comes from being safe in the knowledge that a building **will last a long time**, minimising the amount of maintenance required.

VOC

Products have been created for the wellbeing both of those who apply them and of end users which, apart from being **solvent-free**, also have **very low emission of volatile organic compounds (VOC)** to guarantee good air quality inside the buildings where they are employed. **Mapei** products come with certification to meet the various requirements of local and international markets.



Mapei shares, supports and promotes 2030 Agenda

The **2030 Agenda for Sustainable Development** is an action plan signed by the member states of the United Nations. It proposes 17 goals and provides a roadmap for the coming years for development that will preserve the planet and its inhabitants. **Mapei** has identified a number of **reference objectives** to focus on. They have been chosen because they are close to its corporate values and commitments and because the company believes these are the ones where its activities can have the most significant impact. The **Mapei Sustainability Report**, which can also be viewed on the company website, takes a more in-depth look at this topic.

SUSTAINABLE DEVELOPMENT GOALS



Solutions for health and wellbeing

Apart from promoting a safe, healthy workplace for its employees, **Mapei** is committed to the development of solutions that preserve the quality of air inside buildings, guarantee a high level of living comfort inside buildings and ensure the wellbeing of both those who apply our products and those who use and live the areas where they are applied.



Educating about sustainability

Through training courses, conferences and webinars, **Mapei** nurtures the talent of its human capital and stakeholders by providing them with knowledge and appropriate growth tools and by raising their awareness of sustainability.



Innovative and quality products

Mapei is committed to the research and development of innovative, quality and long-lasting products that play a key part in the construction of sustainable structures.



Eco-sustainable building

Mapei supports the development of local communities and the territory and creates products that help increase the sustainability of buildings because they meet the requirements of the most widely adopted sustainable building protocols, such as **LEED** (Leadership for Energy and Environmental Design) and **BREEAM** (BRE Environmental Assessment Method).



Circular economy

Mapei adopts a circular approach to its processes and products, reducing the amount of waste generated through recovery and recycling activities, containing the consumption of virgin raw materials entering the manufacturing process and promoting the use of recycled materials in product formulations.



Reducing the impact of processes and products

Mapei measures and monitors greenhouse gas emissions from its manufacturing activities with the aim of contributing more and more to combatting climate change. Also, through the LCA method, it measures the level of emissions connected to its products and is constantly committed to reducing such emissions.



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