

The Social Value of Taiheiyo Cement

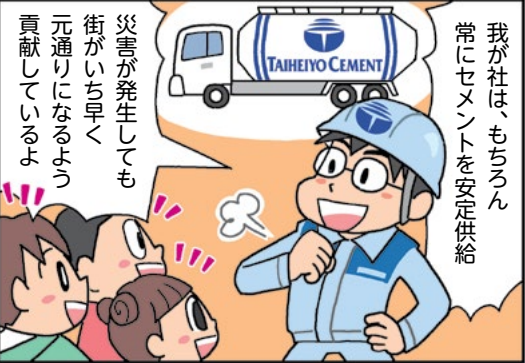
By recycling waste and other materials to manufacture cement, we contribute to solving social challenges such as extending the lifespan of waste disposal sites. In the event of a large-scale natural disaster, we not only supply cement but also accept rubble to help with the recovery and reconstruction of the affected areas.

Please read right to left.

But what if a major disaster strikes... Cement is a material that supports infrastructure and is essential for building strong communities.



We contribute to helping communities get back to normal as quickly as possible, even after a disaster Of course, our company always provides a stable supply of cement



How? Rubble!? We also process the rubble to speed up recovery



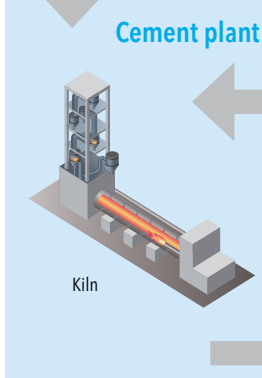
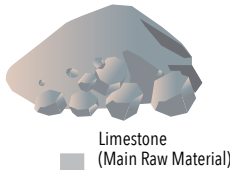
Wow! We use over 400kg of waste and by-products like rubble to make one tonne of cement.

Manufacture

The Wonders of Taiheiyo Cement

More Than 400 Kg of Waste is Used to Make 1 Tonne of Cement

- The amount of waste and by-products used by Japan's cement industry accounts for approximately 11% of the domestic recycling volume.
- The Taiheiyo Cement Group's domestic factories use waste and by-products generated by local communities and other industries as alternative raw materials and fuel. This amounts to more than 400 kg per tonne of cement manufactured
- When natural disasters such as earthquakes and typhoons occur, disaster waste such as rubble is processed into a cement resource.



- Waste and By-products, etc. (Alternative Raw Materials and Fuels)
- Municipal waste, • Incineration residues, • Tap water and sewage treatment sludge, • Various industrial waste, • Construction soil, • Coal ash, • Blast furnace slag, etc.



High-Temperature Calcination Completely Neutralizes Harmful Substances

- In the cement plant, cement is produced through calcination at high temperatures of about 1,450°C in large rotary kilns.
- This high temperature calcination allows the waste to be recycled as raw materials and fuel for cement. Dioxins are also decomposed by the high temperatures.

Recycle

Cement Products Support Society

Cement protects against tsunamis and high tides

Cement supports rebuilding and restoration after a disaster

Cement prevents landslides

Cement makes travel and transportation more convenient

Cement provides safe and secure spaces

Cement contributes to developments in sports and culture

Cement protects against earthquakes

Waste and By-products Generated by Society

The Taiheiyo Cement Group's Acceptance Volume (FY2025 results) 6.75 million tonnes

Collect

Use

Cement as an Important Material That Supports Society

- Cement is used in the construction of various social infrastructure and living environments, such as roads, bridges, and buildings. As shown by our annual sales volume of approximately 30 million tonnes in Japan and overseas, our Group has established a stable supply system in the Pacific Rim.
- In addition to preparing for severe disasters through prevention and mitigation, we are also developing and disseminating technologies to support early recovery and reconstruction, as well as developing new technologies.

	Disaster reduction, disaster prevention, maintenance and countermeasures	Disaster recovery	Early recovery
Deployment and diffusion of existing technologies	Diffusion of high durability and high strength technologies, SFPC, Ductal, PFC strengthening measures technologies (cement-based soil stabilizers)	Diffusion of early-strength materials and construction methods / Disaster waste treatment technologies	Early-strength materials Proposal of construction methods
New development proposals	150N class high-strength concrete technology Preventive maintenance technology	New structure diagnosis/repair material technology Difficult-to-treat waste processing technologies	Promotion of precast concrete construction Rapid construction and labor-saving construction technology