

September 5, 2023

ESLEN Block RNW, manufactured by SEKISUI KASEI CO., LTD. (Head Office: 2-4-4 Nishi-tenma, Kita-ku, Osaka, Japan; President: Masato Kashiwabara), which is made from recycled raw materials, has been used in the facility maintenance project for EXPO 2025 Osaka, Kansai, Japan.

ESLEN Block RNW, Made from Recycled Raw Materials, to be Used for Expo 2025 Osaka, Kansai Facility Maintenance Project

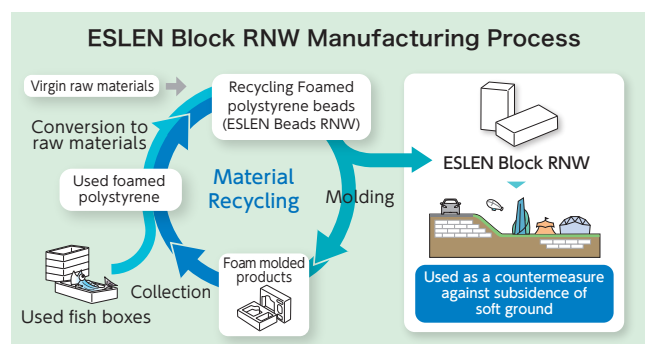
1. Background

Expo 2025 Osaka, Kansai will be held from April 13 to October 13, 2025, under the theme of “Designing Future Society for Our Lives.” The Japan Association for the 2025 World Exposition has set forth the Sustainability Policy of EXPO 2025 Osaka, Kansai, Japan. Among the focus areas of this policy are decarbonization and resource recycling, regarding which the EXPO 2025 Green Vision was announced to ensure sustainability throughout preparations and operations for the event. The facilities and equipment for the Expo are also being prepared in line with standards for resource recycling and the 3Rs (Reduce, Reuse, Recycle). This approach led to the adoption of ESLEN Block RNW, which is made from recycled raw materials.

2. Details

ESLEN Block has excellent features that include being lightweight, self-supporting, and highly workable. It is widely used as a lightweight embankment material in road construction, embankment work, and countermeasures against soft ground.

ESLEN Block RNW, which is adopted in this project, uses raw materials that have been collected and recycled from used styrene foam using a proprietary technology, after being made into recycled expanded polystyrene beads, the material is foam-molded into block shapes as a product.



Construction Overview

Construction Project Name:
2025 Japan World Expo Facility Maintenance Project PW West Section Construction

Construction Companies :
Takenaka Corporation, Nankai Tatsumura Construction Co., Ltd.,
Takenaka Civil Engineering & Construction Co., Ltd. Consortium,
Showa Sekkei, Incorporated

Name of Adopted Products :
ESLEN Block and ESLEN Block RNW lightweight embankment material

Quantity Used :
Approximately 838m³

Delivery Period :
May to September 2023 (planned)
(Delivery of ESLEN Block RNW scheduled for September)

Purpose of Use :
As a countermeasure for buildings against subsidence on soft ground



Diagram of Expo 2025 Osaka, Kansai site
(Source: Japan Association for the 2025 World Exposition)

3. Future Development

To help bring about a sustainable society, SEKISUI KASEI Group has set a target of increasing the recycled and biomass raw materials usage ratio of the Group’s products to 50% or more by 2030. In addition, foamed polystyrene, our main product, has been under industry-wide recycling activities since the 1970s. As a result, the recycling rate in Japan has reached 92.3% (result for 2022*), making it a suitable material for recycling. By promoting this kind of material recycling, we will help bring about a circular society.

* Source: Japan Expanded Polystyrene Association (JEPSA)