



“Slagrete® BA” the environmental-friendly concrete usable for upper structures of buildings won the ECOLEAF certification

Promoting precast construction and low carbon emissions!

Toda Corporation (Headquarters: Chuo-ku, Tokyo, President: Otani Seisuke) has obtained “ECOLEAF (SuMPO EPD)” certification, a SuMPO Environment Label Program, accredited by General Incorporated Association of the Sustainable Management Promotion Organization, for our environmentally conscious concrete product, “Slagrete® BA,” in two versions: ready-mixed concrete and precast concrete.

ECOLEAF (SuMPO EPD) Declarations

Category	Registration number	Publication date	PDF declaration link
Slagrete® BA Ready-mixed concrete (specified compressive strength 42 or less)	JR-BY-24003E	25th July, 2024	 (860KB)
Slagrete® BA Precast concrete (specified compressive Strength 42; Fc=36N/mm ²),	JR-BH-24001E	25th July, 2024	 (1001KB)

These EPDs are made public on the SuMPO Environment Label Program website:

- Low-carbon concrete Slagrete® BA (specified compressed strength 42 or under),
- Low-carbon concrete Slagrete® BA precast products (Fc = 36N/mm²).

※1 ECOLEAF (SuMPO EPD) is a Type III Environmental Declaration EPD (Environmental Product Declaration) operated by the General Incorporated Association of Sustainable Management Promotion Organization (SuMPO). In the EPD, environmental information about a product is quantified using the life cycle assessment method denoted by ISO 14040 and 14044, and the product’s ecological data that passed third-party verification by ISO 14026 are disclosed on the EPD program website.

<https://ECOLEAF-label.jp/contents/epd/>

※2 It refers to the strength of concrete under controlled conditions and means the strength the specimen should have under standard curing (curing in water at 20° C).

‘Slagrete® BA’ features and examples of adoption

The conventional Slagrete® 70 has mainly been applied to underground structures of buildings, but we, in collaboration with Nishimatsu Construction, Co., Ltd., have developed a “Slagrete® BA” that can also be applied to superstructures of buildings. “Slagrete® BA” is a concrete manufactured with a mixture ratio of 50% Ordinary Portland Cement and 50% Blast Furnace Cement Type B derived from construction by-products, capable of reducing greenhouse gas emissions by approximately 20% *3 during the cement production process.



Precast product of Slagrete® BA

We have decided to utilize the “Slagrete® BA” manufactured at our Narita Factory as a half-precast concrete floor slab in the new “TODA BUILDING” currently under construction. The utilization of precast concrete produced in our factory offers advantages such as stabilization of concrete quality

and shortening of construction periods.

In response, our Narita Factory intends to proactively tackle the reduction of CO² emissions during manufacturing by employing a photovoltaic power generation system of approximately 560kW and a 200kWh storage battery.

※3 The data is an estimation based on our private measures and not EPD's information. No information about this reduction ratio has been validated by the 3rd accreditation of SuMPO EPD.

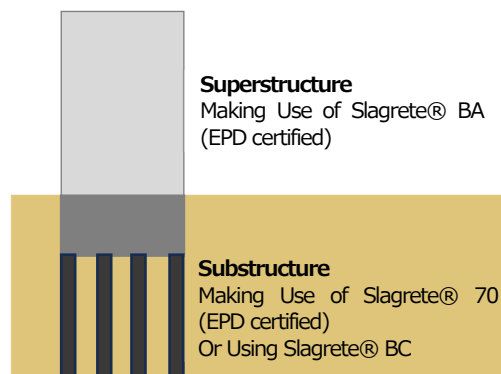


Narita Factory

Future Prospects

We will continue actively using the ECOLEAF (SuMPO EPD) certification system and strive to disclose information on environmental loads such as carbon footprint. We are also pushing to reduce Scope 3 Greenhouse Gas discharging. By expanding the 'Slagrete®' lineup suitable for both superstructure and substructure of buildings and obtaining EPD, we make it feasible to reduce the embodied carbon of buildings at large, facilitating resource circulation.

Aiming to realize a carbon-free & circular society, we plan to actively promote and unfold this technology in architectural and civil engineering sectors.



We will strive to optimize our business portfolio by promoting strategic investments in priority management businesses and intangible assets that will drive future growth and to achieve our mid- to long-term goal of 8% ROE, as well as to further enhance corporate value.

