

Important instructions for field use



How to store

- For storing, keep it stacked in dry place. Maintain a distance of over 20~30cm from the ground and support the full length of the forms.



Installation

- In case of positioning inner-circle in the direction of south-north, position outer half-circle in the direction of east-west.
- Fix forms with designated product at the intervals indicated in installation specification.
- Install in the same direction as the mark indicating the upper/lower side.



Concrete Casting

- Prevent inner surface from being touched during vibrator compacting.
- Do not cast for damaged or wet forms.
- Avoid vibration in excess of installation standard.



Dismantling

- Just after concrete is hardened, dismantling is available.
- Dismantle by widening the gap between sides vertically.
- When some device is used for dismantling, be careful not to damage the surface.
- If there is no damage on surface of both sides and coating is maintained after dismantling, re-use is available. In case of re-use, the exchange between inner form and outer form will be more economical.

Production specifications

Inner Diameter (mm)	External Diameter (mm)	Thickness (mm)
600	618	9
650	668	9
700	720	10
750	770	10
800	821	10.5
850	871	10.5
900	921	10.5
950	971	10.5
1000	1022	11
1050	1077	11
1100	1122	11
1200	1222	11
1300	1322	11
1400	1422	11 (High-strength)
1500	1522	
1600	1622	
1800	1822	
2000	2022	
2200	2222	

- Special sizes other than the above are also available upon orders.
- Processing by length is available in case of large-quantity order.



eFree plus,
innovatively allows one to
save on construction cost and
time.
**Solution for round column
with structural beam.**





eFree plus which is made of recycled paper, is an environment friendly building material that features excellent construction quality, economic feasibility, and performance, thus saving costs and ensuring high efficiency and overall quality.

eFree plus has been already applied in many construction sites and acknowledged for its excellence.

eFree plus has been selected in the government-led Technology Innovation Development Project. As a result, systems for high-quality products have been built.

The patented eFree plus is more economical, buildable, and eco-friendly than steel or fiberglass-based formworks.

Uses

Commercial buildings, bridges, parking lots, stadiums, subway stations, multipurpose buildings, and doorways and lobbies of buildings with interior circular columns.

Material Comparison

<Based on one-time use>

	eFree plus	Steel Form
Construction Capability	Excellent	Not Good
Workability	Excellent	Bad
Finish ability	Excellent	Ok
Economical efficiency	Excellent	Ok
Eco-friendly	Excellent	Not Good

Case of Use



Advantages

Constructability

Installation Free

As a paper cast of good machinability, you can easily reinforce difficult constructions like coupled beams. eFree plus provides solutions to all construction difficulties.

Mobility Free

eFree plus is made of light paper, making it easy to transport to the construction site.

Disassembly Free

eFree plus circular paper formwork that is made of recycled paper is easy to dismantle.

Free from Economic Burden

Low labor costs and material expenses: Effective installation, easy mobility, and simple disassembly create excellent on-site working conditions and reduce labor costs, construction duration, and finishing costs. These characteristics make eFree plus users experience remarkable economic efficiency.

Free from Safety Issues

Made of recycled paper, eFree plus has excellent lightness, which is one of paper's features, thus preventing risks of accidents caused when heavy things are handled.

