



Best Practices and Installation Guide for EcoBase™ Concrete Forms

THE FUTURE OF
**FOUNDATION
FORMWORK**



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This guide provides step-by-step instructions for installing EcoBase™ concrete forms efficiently and correctly. Follow these guidelines to ensure proper placement, stability, and performance.

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**HAVE QUESTIONS?
Contact us today.**

Visit www.turnstoneindustrial.com/ecobase or email us at EcoBaseSales@turnstoneindustrial.com

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Preparing for Delivery



DELIVERY SPACE

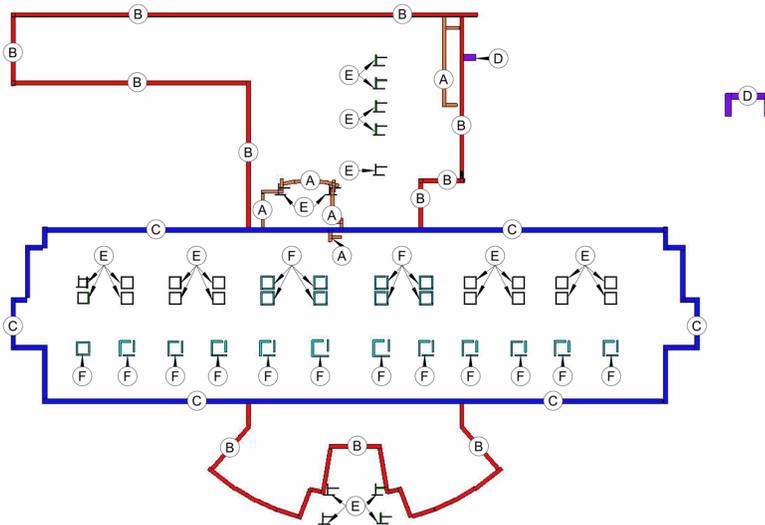
Designate a clear area for unloading and storing EcoBase panels. Panels arrive wrapped on pallets.

UNLOADING

Use a telescopic handler or adequate manpower to remove panels from the truck safely.

JOB MAP SAMPLE

Label Key	Part #	Description	Color	Sheet Size	Grade Depth	Qty
A	3EBU489012	EcoBase U-Shapewith 12" Depth and 24" Base Width	Orange	48"x90"	12"	30
B	3EBU549012	EcoBase U-Shapewith 12" Depth and 30" Base Width	Red	54"x90"	12"	159
C	3EBU609012	EcoBase U-Shapewith 12" Depth and 36" Base Width	Blue	60"x90"	12"	155
D	3EBU729012	EcoBase U-Shapewith 12" Depth and 48" Base Width	Purple	72"x90"	12"	9
E	3EBL249018	EcoBase L-Shapewith 18" Depth and 6" Base Width	Green	24"x90"	18"	101
F	3EBL369024	EcoBase L-Shapewith 24" Depth and 12" Base Width	Cyan	36"x90"	24"	137



If provided, refer to detailed CAD color-coded drawings to labeled keyed pieces to ensure quick set up — we have you covered!

Tools Required



✓ Wire Ties



✓ Gloves



✓ Bolt Cutters

Optional: box knife and angle grinder for cutting panels



1

PLACEMENT

- Use the provided job map to identify panel positions and quantities.
- Check the packing slip to confirm all pieces are present.
- Ensure trenches are fully excavated, level, and ready to receive EcoBase as specified by the engineer.



2

SQUARING AND ALIGNMENT

- EcoBase panels are bent at 90° for easy alignment.
- Use string lines and the 3-4-5 method for squaring.
- Refer to CAD drawings if provided.



3

LIGHTWEIGHT HANDLING

- Panels are 7.5 ft long and light enough for one person to carry multiple sheets at a time.



4

CUTTING PANELS

- Mark the cut line.
- Cut the polyethylene membrane with a box knife.
- Remove mesh sections using bolt cutters or an angle grinder.

5

INTERSECTIONS

- Mark and cut where panels intersect.
- Fold back edges to 90°, overlap by 6 inches, and tie securely.



6

MAKING BENDS

- Mark the area that needs to be cut and bent.
- Cut out the bottom connection to the bend point.
- On the vertical bend point alternate cutting the horizontal mech wire for easier bending.
- Bend piece to desired shape.



7

CORNERS

- Butt inside sections together.
- Place corner section on the outside edge and tie.
- For U-shape or L-shape corners, cut and connect as needed.

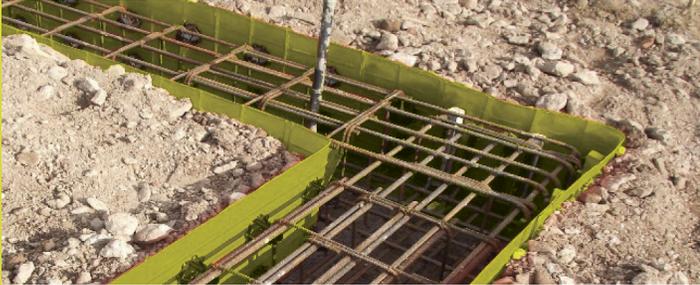


8

STEP-DOWN FOOTINGS

- Cut out end cap to the height of drop down.
- Overlap top and bottom piece to the depth of drop down.
- Cut and bend down bottom panel of top piece and connect to bottom piece.
- Attach end piece to the end of top piece and connect it to the top of the bottom piece.
- Add support where needed.





BACKFILLING

Use soft backfill around EcoBase™ trenches, leaving about 2 inches from the panel. Ensure rebar and spacers are installed before backfilling.



BEAM BOLSTERS

Attach to EcoBase (internally or externally) to ensure straight foundations and minimize concrete waste.



HARD EARTH TRENCHES

If trenches are cut to the width of EcoBase™, panels can slide in like a sleeve. In this case, the trench itself provides support.



ABOVE-GROUND APPLICATIONS

- **Metal Pins:** If using metal pins, it is recommended to place them every 12–18 inches to hold panels in place.
- **Walers and 2x4s:** If using walers and wooden 2x4s, position them securely to provide continuous support.



REBAR PLACEMENT

Maintain a 3-inch gap between rebar and EcoBase unless local code specifies otherwise.

Concrete Pour



Pouring in Stages

Helps maintain straight forms and reduce lateral pressure.



Screeding

If trenches are uneven, leave a lip of EcoBase above concrete for easier screeding; trim after curing.



Deep Trenches

Continuous beam bolsters support (can be wood 2x4s, metal pins, or beam bolsters) along the top edge are recommended if EcoBase is not backfilled.

Quick Reference Checklist

1. Level terrain and prepare trenches.
2. Place EcoBase panels per job map.
3. Overlap panels by 6 inches and wire tie.
4. Add rebar before backfilling.
5. Cut and bend panels as needed for corners and step-downs.
6. Secure panels with support.
7. Pour concrete in stages and screed to desired level.



ECOBASE™

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