

Reinforced Earth®

Construction Procedure



This is an abbreviated guide to constructing a Reinforced Earth retaining wall with precast concrete facing panels. Refer to our construction manual for complete procedure, handling of materials and recommended safety precautions.



Preparing the bottom course of panels:

1. Form and pour leveling pad.
2. Set bottom panels.
 - 2a. Batter the panels as required.
 - 2b. Drive wedges to hold batter.
 - 2c. Brace the bottom panels.
3. Apply adhesive and filter fabric.



Bottom row of soil reinforcements:

- Spread and compact select backfill (in lifts) to 2" above the first level of tie strips on the back face of the panels.
- Install the soil reinforcements.

Subsequent rows of soil reinforcements (repeat until top course of panels are installed and backfilled:

- Spread and compact select backfill (in lifts) to 2" above the next level of tie strips on the back face of the panels.
- Install the soil reinforcements.
- When needed, install the next course of panels.
 - Batter the panels as required.
 - Drive wedges to hold the batter.
 - Shoulder clamp new panels to the adjacent secured panels.
- Apply adhesive and filter fabric to the new panels.
- Install fall protection as required.

Prepare the top grading and install the wall top out as required:



Soil reinforcements:



Spread and compact backfill:



Shoulder clamp:



Compaction Equipment:



Flat plate tamper:
Within 3 feet of wall face



Large roller:
Keep 3 feet away from wall face

Fall Protection:

