

Ballast



When ground penetration is not allowable, engineering innovation must prevail. Such a feat can be found in our ballasted foundations. These solutions are perfect for municipal solid waste landfills, brownfields, and other sites where non-penetrable solar racking solutions are required. Our engineers and designers consider important parameters such as dynamic settlements, landfill cap characteristics, slope and stability before designing a reliable and cost-effective ballasted mounting solution to suit the needs each specific site.

Customized Solutions

- Each precast ballast block is engineered for site specific loading conditions.
- Proprietary on-site testing allows for ballasts to be engineered with a site-specific coefficient of friction, potentially reducing ballast sizing.
- Posts and anchor rods are preassembled in ballasts for quicker onsite installation.
- Fiber meshing is used in precast ballast in-lieu of rebar, which allows the concrete to cure faster and stronger.

Built to Last

- Ballast blocks can be unloaded and placed on site with standard construction equipment.
- Racking posts and brackets are adjustable, which can accommodate any landfill sinkage throughout the project's life cycle.
- Precast ballast are manufactured at a consistent rate and are not impacted by conditions such as inclement weather or concrete spoils which occur with onsite batch plants.
- Strong, durable concrete ballast blocks can be relocated and re-used over time.



Specifications

Wind Loads	170 mph+
Snow Loads	90+ psf
Pre-Assembled Parts	Reduced installation time
Precast Ballasts	Less onsite installation time
Tilt Angle	5-40 degrees
Warranty	20 years
Proprietary On-site Testing	Reduces ballast sizing
Module Configuration	Portrait or landscape (all module frame types)
Raised Purlin	Integrated bonding and grounding
Listing	UL 2703