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Initial Approval
August, 2021

Re-Approved

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Report Owner

EZ-Crete, LLC
126 Monadnock Highway
Swansey, NH 03446

Approved Manufacturing Location

EZ-Crete, LLC
126 Monadnock Highway
Swansey, NH 03446

Product

EZ-Tube Stack
EZ-Pad / EnduroCrete Wheel

Evaluation Report Information

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Product Evaluated For

This Product Evaluation Report is only to provide Bearing and Tension load Capacities for EZ-Tube Stack and EZ-Pad / EnduroCrete Wheel.

Product Description

EZ-Tube is a stackable footing system assembled using pre-cast concrete tubes, a threaded rod and a steel connection bracket to create a pier footing. EZ-Pad / EnduroCrete Wheel is a single pre-cast concrete pad footing.

Component Description

EZ-Tube - The stackable tubes are pre-cast from 3,500 psi concrete. The tubes are 11" dia. x 12" overall height. The approximate weight of each tube is 60 pounds.

EZ-Tube Base - The base of the stackable system is pre-cast from 3,500 psi concrete. The base is 22" dia. x 7-1/2" tall. The approximate weight of each base is 100 pounds.

Threaded Rod - The threaded rod is 1/2-13 using 1/2-13 nut with a 3"x3"x1/4" tk. washer. All parts are galvanized.

EZ-Pad - The EZ-Pad is pre-cast from 5,000 psi concrete. The pad is 14" dia. x 6" tall. The approximate weight of each pad is 60 pounds.

Design Considerations

A structural evaluation **shall** be submitted at the request of the building official on a job specific basis with consideration to the soil conditions, lateral design requirements, fastening and overall system integrity with structure attached.

General Product Usage and Limitations

1. Install the EZ-Tube base below local frost levels or a minimum of 12" deep if no frost level exist according to the building code.
2. The soil under the EZ-Tube base shall be compacted before setting the base.
3. The EZ-Tube and EZ-Pad / EnduroCrete Wheel shall be installed level and plumb.
4. When backfilling around EZ-Tube, compact soil every six inches.

Capacities

EZ-Tube Stack - Base plus Tubes

Soil Bearing Capacity in psf	4 Tubes- 53-1/2" total		3 Tubes- 42" total	
	Base Bearing Capacity in Lbs.	Tension Capacity in Lbs.	Base Bearing Capacity in Lbs.	Tension or uplift Capacity in Lbs.
1000	1,808	340	2,204	280
1500	3,128	340	3,524	280
2000	4,448	340	4,844	280
2500	5,768	340	6,164	280
3000	7,087	340	7,483	280
3500	8,407	340	8,803	280
4000	9,727	340	10,123	280
12000	30,846	340	31,242	280

EZ-Tube Stack - Base plus Tubes

Soil Bearing Capacity in psf	2 Tubes- 30-1/2" total		1 Tube- 19" total	
	Base Bearing Capacity in Lbs.	Tension or uplift Capacity in Lbs.	Base Bearing Capacity in Lbs.	Tension or uplift Capacity in Lbs.
1000	2,322	220	2,322	160
1500	3,641	220	3,641	160
2000	4,961	220	4,961	160
2500	6,281	220	6,281	160
3000	7,601	220	7,601	160
3500	8,921	220	8,921	160
4000	10,241	220	10,241	160
12000	31,359	220	31,359	160

EZ-Tube Stack - Without a Base Tubes Only

Soil Bearing Capacity in psf	4 Tubes- 46" total		3 Tubes- 34-1/2" total	
	Base Bearing Capacity in Lbs.	Tension Capacity in Lbs.	Base Bearing Capacity in Lbs.	Tension or uplift Capacity in Lbs.
1000	518	240	571	180
1500	848	240	901	180
2000	1,178	240	1,231	180
2500	1,508	240	1,561	180
3000	1,838	240	1,891	180
3500	2,168	240	2,221	180
4000	2,498	240	2,551	180
12000	7,777	240	7,831	180

EZ-Tube Stack - Without a Base Tubes Only

Soil Bearing Capacity in psf	2 Tubes- 23" total		1 Tube- 11-1/2" total	
	Base Bearing Capacity in Lbs.	Tension or uplift Capacity in Lbs.	Base Bearing Capacity in Lbs.	Tension or uplift Capacity in Lbs.
1000	601	120	630	60
1500	931	120	960	60
2000	1,261	120	1,290	60
2500	1,591	120	1,620	60
3000	1,921	120	1,950	60
3500	2,251	120	2,280	60
4000	2,581	120	2,610	60
12000	7,861	120	7,890	60

EZ-Pad / EnduroCrete

Soil Bearing Capacity in psf	Base Bearing Capacity in Lbs.	Tension or uplift Capacity in Lbs.
1000	1,019	60
1500	1,553	60
2000	2,088	60
2500	2,622	60
3000	3,157	60
3500	3,691	60
4000	4,226	60
12000	12,778	60

Product Storage and Handling

The pre-Cast Tubes, Base and Pads should be handled in a manner as to not crack, chip or damage them and stored with the flat side down.

Product Labeling

Each shipment of **EZ Tube** and **EZ-Pad / EnduroCrete Wheel** must be marked with the following information:

1. **EZ-Crete** LLC Name & Website info.
2. Product Name
3. traceability Information
4. This **PER** Number & **Pei Evaluation Service** Name or Logo

Acceptable Evaluation Marks



Product Documentation

- A Product Evaluation Service Agreement between *ICC PEI, LLC* and EZ-Crete LLC
- A Follow-up Inspection Service Agreement between *ICC PEI, LLC* and **EZ-Crete, LLC**
- A Manufacturing Quality Control Manual Dated **XXXX**
- EZ-Tube and EZ-Pad Specs and Installation Instructions
- Pei* Calculation dated 2/17/2021, project # 2021-3071



E-Z Tube Stack