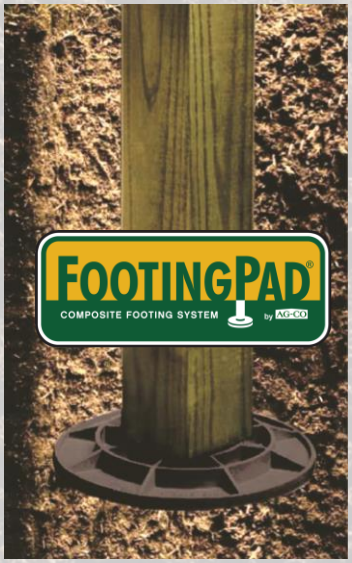

FOOTINGPAD®
COMPOSITE FOOTING SYSTEM
by AG-CO
REPLACES CONCRETE
Build Decks and
Post Frame Buildings
FASTER and EASIER
on a Solid Footing

Features and Benefits

Structurally Sound and Code Compliant

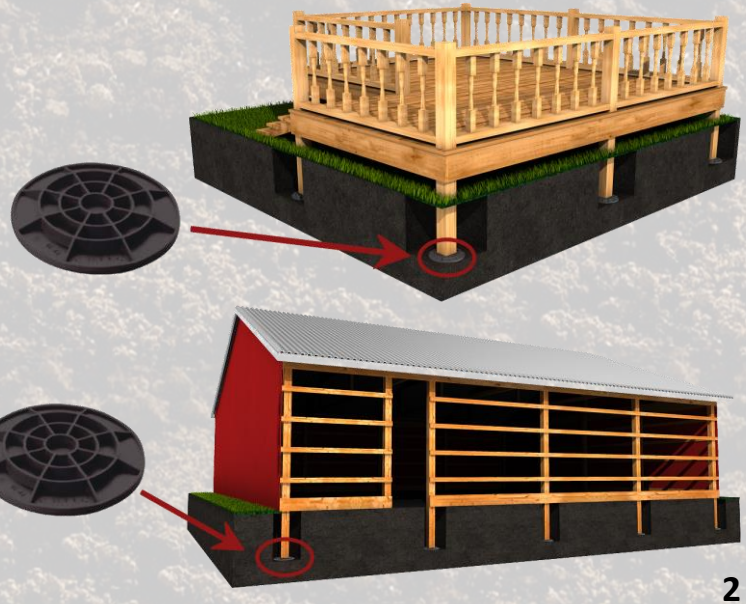
- FootingPads® have been designed and engineered to replace concrete footings of equal diameter.



- Allowable loads are controlled by the type of supporting soil and weight of structure (see p. 6)

Lightweight, Fast, and Easy

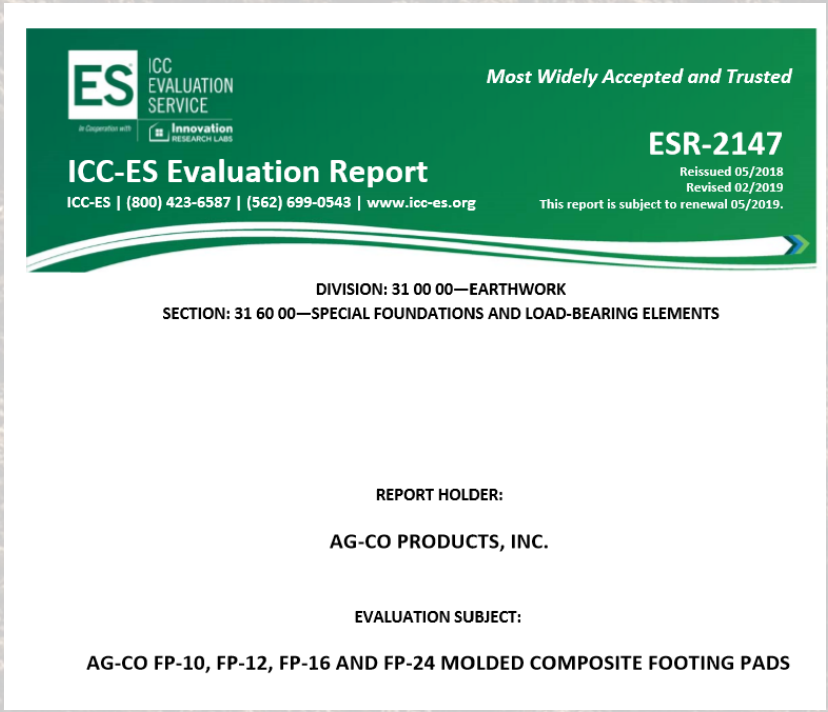
- The FootingPad composite deck post footing system is engineered to provide the fastest, most economical means to raise your deck or pole barn in record time.
- The FootingPad system's design is lightweight, evenly distributes deck post loads, and saves hours of back-breaking works.
- FootingPad can be used in most Type V construction subject to loading limits.



What will my inspector say?

FootingPad is the only tested and code compliant post footer

- ICC Code compliance certification. Show your code official the ICC ESR 2147 available for download from footingpad.com
- NTA, Inc has conducted rigorous testing of each size FootingPad



ICC EVALUATION SERVICE

Most Widely Accepted and Trusted

ESR-2147

Reissued 05/2018
Revised 02/2019
This report is subject to renewal 05/2019.

ICC-ES Evaluation Report

ICC-ES | (800) 423-6587 | (562) 699-0543 | www.icc-es.org

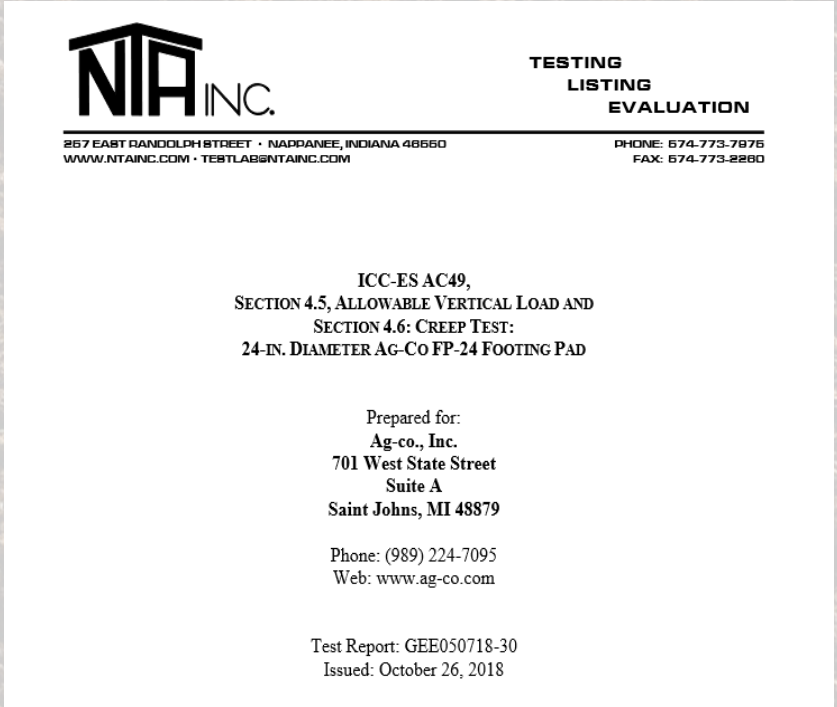
DIVISION: 31 00 00—EARTHWORK
SECTION: 31 60 00—SPECIAL FOUNDATIONS AND LOAD-BEARING ELEMENTS

REPORT HOLDER:

AG-CO PRODUCTS, INC.

EVALUATION SUBJECT:

AG-CO FP-10, FP-12, FP-16 AND FP-24 MOLDED COMPOSITE FOOTING PADS



NTA INC.

TESTING
LISTING
EVALUATION

267 EAST RANDOLPH STREET · NAPPANEE, INDIANA 46550
WWW.NTAINC.COM · TESTLAB@NTAINC.COM
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ICC-ES AC49,
SECTION 4.5, ALLOWABLE VERTICAL LOAD AND
SECTION 4.6: CREEP TEST:
24-IN. DIAMETER AG-CO FP-24 FOOTING PAD

Prepared for:
Ag-co., Inc.
701 West State Street
Suite A
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Phone: (989) 224-7095
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Test Report: GEE050718-30
Issued: October 26, 2018

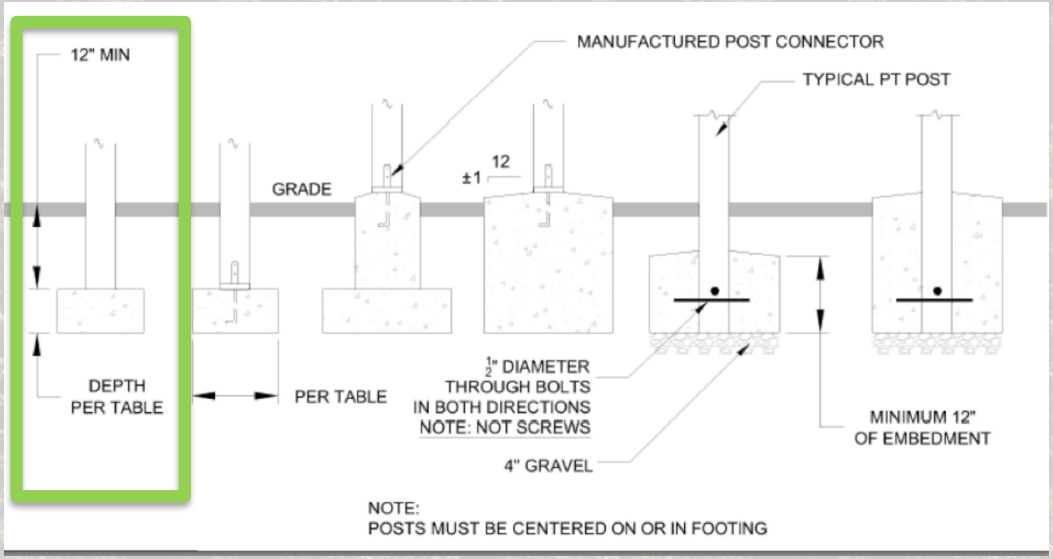
2018 ICC codes - Decks

2018 Code, Section R507, specifically allow wood posts sitting on a footer

- **2018 codes, for the first time, also specify the diameter and thickness when using concrete.**

Concrete: Min diameter 14”, min thickness: 6”

Allowable deck post configuration diagram



MINIMUM FOOTING SIZE FOR DECKS (sq ft)[a,c,d]

LIVE OR GROUND SNOW LOAD[b] (psf)	TRIBUTARY AREA[c]	SOIL BEARING CAPACITY (psf) 1500			2000			2500			≥ 3000		
		SIDE OF A SQUARE FOOTING (in)	DIAMETER OF A ROUND FOOTING (in)	THICKNESS (in)	SIDE OF A SQUARE FOOTING (in)	DIAMETER OF A ROUND FOOTING (in)	THICKNESS (in)	SIDE OF A SQUARE FOOTING (in)	DIAMETER OF A ROUND FOOTING (in)	THICKNESS (in)	SIDE OF A SQUARE FOOTING (in)	DIAMETER OF A ROUND FOOTING (in)	THICKNESS (in)
40	20	12	14	6	12	14	6	12	14	6	12	14	6
	40	14	16	6	12	14	6	12	14	6	12	14	6
	60	17	19	6	15	17	6	13	15	6	12	14	6
	80	20	22	7	17	19	6	15	17	6	14	16	6
	100	22	25	8	19	21	6	17	19	6	15	17	6
	120	24	27	9	21	23	7	19	21	6	17	19	6
	140	26	29	10	22	25	8	20	23	7	18	21	6
	160	28	31	11	24	27	9	21	24	8	20	22	7
50	20	12	14	6	12	14	6	12	14	6	12	14	6
	40	15	17	6	13	15	6	12	14	6	12	14	6
	60	19	21	6	16	18	6	14	16	6	13	15	6
	80	21	24	8	19	21	6	17	19	6	15	17	6
	100	24	27	9	21	23	7	19	21	6	17	19	6
	120	26	30	10	23	26	8	20	23	7	19	21	6
	140	28	32	11	25	28	9	22	25	8	20	23	7
	160	30	34	12	26	30	10	24	27	9	21	24	8
60	20	12	14	6	12	14	6	12	14	6	12	14	6
	40	16	19	6	14	16	6	13	14	6	12	14	6
	60	20	23	7	17	20	6	16	18	6	14	16	6
	80	23	26	9	20	23	7	18	20	6	16	19	6
	100	26	29	10	22	25	8	20	23	7	18	21	6
	120	28	32	11	25	28	9	22	25	8	20	23	7
	140	31	35	12	27	30	10	24	27	9	22	24	8
	160	33	37	13	28	32	11	25	29	10	23	25	9
70	20	12	14	6	12	14	6	12	14	6	12	14	6
	40	18	20	6	15	17	6	14	15	6	12	14	6
	60	21	24	8	19	21	6	17	19	6	15	17	6
	80	25	29	9	21	24	8	19	22	7	18	20	6
	100	28	31	11	24	27	9	21	24	8	20	22	7
	120	30	34	12	25	30	10	24	27	9	21	24	8
	140	33	37	13	28	32	11	25	29	10	23	26	9
	160	35	40	15	30	34	12	27	31	11	25	28	9

a. Interpolation permitted, extrapolation not permitted
b. Based on highest load case: Dead + Live or Dead + Snow
c. Assumes minimum square footing to be 12"x12"x6" for 6x6 post

Replace a 14” diameter, 6” thick chunk of concrete with a lightweight FootingPad

What Size do I Need?

Two things are necessary to determine which FootingPad size to use:

Soil

- The load-bearing capacity of soil varies depending on location and can usually be obtained from your local code officials or others in the construction industry

Weight of the structure

- *Type of structure*
  - Roofed structure such as post frame buildings
  - Decks
- *Number of posts*
- *Snow Load in your area*
  - Obtained from local code officials or snow load maps

Post size does not normally affect the size of FootingPad needed except in extreme cases.

FootingPad provides charts to assist your salespeople and customers

Allowable Loads

Total allowable loads are determined by the type of supporting soil.
Capacity below based on 3,000 psf soil:

10" diameter: 1,622 lbs 12": 2,355 lbs 16": 4,200 lbs 24": 9,327 lbs

Total Post Load (PSF)	Maximum Building Width Recommended by FootingPad Diameter			
	24"	16"	12"	10"
20 Lbs	118'	52'	30'	20'
25 Lbs	94'	40'	24'	n/a
30 Lbs	78'	36'	20'	n/a
35 Lbs	66'	30'	n/a	n/a
45 Lbs	60'	24'	n/a	n/a
55 Lbs	56'			
65 Lbs	52'			
75 Lbs	45'			
85 Lbs	40'			
95 Lbs	35'			

Calculations based on following variables: Soil: 3,000 PSF / Post span: 8' OC *

Sizes and Specs

10" FootingPad®

- 10" diameter
- 1" thick
- 1.1 lbs.

12" FootingPad®

- 12" diameter
- 1½" thick
- 2.75 lbs.

16" FootingPad®

- 16" diameter
- 1½" thick
- 4.3 lbs.

24" FootingPad®

- 24" Diameter
- 2 ½" thick
- 13 lbs

10" Diameter

24" Diameter, w rope for handling

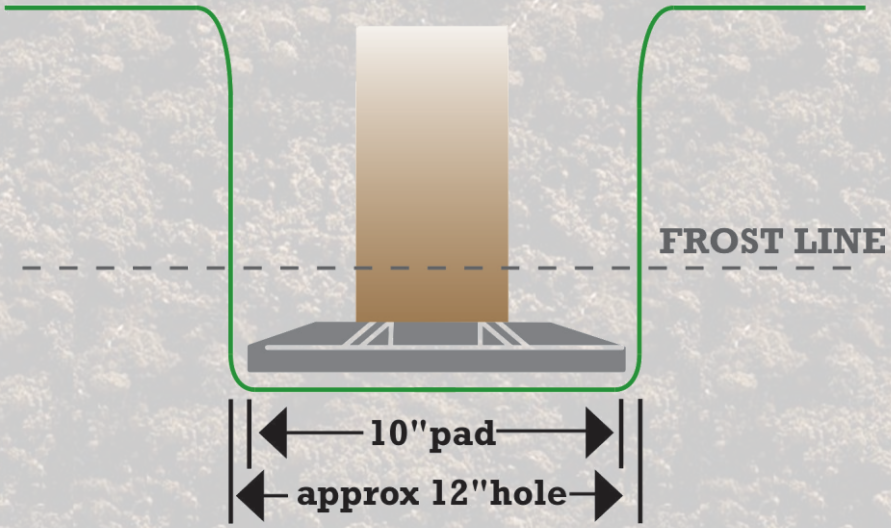
Installation Instructions

The posts' location and spacing (minimum 4 x 4 post) is to be determined by the structure's load requirements and local soil capacity.

1. Dig the post hole slightly larger than the FootingPad® diameter and deep enough to be below the local frost line. In most cases an auger the same size diameter as the FootingPad will create a hole big enough to fit.
2. The footer should be fully supported, with no voids or empty space underneath. Level and tamp the soil to ensure proper support. Pea gravel can also be used.
3. Place the FootingPad into the hole, smooth side down.
4. Position the post onto the pad at the required location. The post can be off-center by up to several inches.
5. Backfill the soil around the post and compact, while ensuring the post is straight.

Patented and Tested Post Footings

- The FootingPad® can be used as a support footing for structures that could include residential decks, gazebos, etc., post frame buildings (pole barns), and Type V construction under the IBC or any construction under the ICC
- FootingPad's web-like patented design (Patent No. 7827747) provides durability and strength
- Tested by NTA Testing Laboratories and ICC code compliant, the FootingPad meets building code acceptance criteria AC49
- Lifetime limited warranty



Deck Installation Comparison

FootingPad®

- 10 post holes
- 1 FootingPad / hole
- Total: 10 FootingPads
- Total: 11 lbs.
- No additional labor
- No equipment rental
- Easy to install, lightweight
- No wait time, same day
- Lifetime warranty

Traditional Concrete

- 10 post holes
- 80 lbs. of concrete/hole
- Total: 10 bags of concrete
- Total: 800 lbs.
- Labor to transport/carry/mix/pour
- Potential equipment rental
- Heavy, messy, and broken bags
- 1 day lost with set time
- No warranty

Plus . . . A Real Green Story

- Recycled composite material
- Dramatically lower energy used to manufacture versus concrete process
- No scrap in the process
- Less fuel to transport
  - 80 lb. bag concrete x 10 posts = 800 lbs.
  - 1.1 lb. FootingPad® x 10 = 11 lbs.
- No consumer packaging to discard

YouTube Videos

8 Minutes of Time Will Deliver the Total Message

FootingPad® Installation *1:45*

https://youtu.be/CakYn1m-ccQ

FootingPad® Stats for Inspectors *2:37*

https://youtu.be/w6m6pEdH5MI

FootingPad® Evolution *2:09*

https://youtu.be/5slaOL8nt8U

FootingPad® Cost Savings *1:25*

https://youtu.be/Lyct4EXJvuk

Merchandising Options

In Aisle Display

Key Benefits Summary

- Composite post footing system engineered to provide the fastest, most economical means to raise your structure in record time
- Certified by ICC Evaluation Services (ESR-2147)
- Unique system – no concrete required
- Patented technology (#7827747) design that is lightweight and evenly distributes loads
- Meets the ICC-ES building code acceptance criteria (AC49)
- Tested by NTA Testing Laboratories
- Made from recycled composite material
- Eliminates hauling of soil if used to backfill
- Unique system designed to replace concrete footings of equal diameter . . . thus less back-breaking work
- Lightweight and comparable in strength to concrete
- Easy to handle and install. No concrete to haul.
- Will support 4 x 4, 6 x 6 posts and laminated columns as well as pre-cast concrete (PermaColumn)
- Saves time with less mess and less hassle
- No messy and broken concrete bags
- No silica dust inhalation from concrete
- No wasting a day waiting for concrete to set up
- No cracked concrete pads
- No additional equipment rental
- Made in the USA