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Installation Instructions for ABS Pads
For use on all Mobile and Manufactured Homes, including HUD approved Homes and Modular Building
Patent #5503500 and other patents pending

GENERAL INSTRUCTIONS:

1. All pads are to be installed flat side down, ribbed side up.
2. The ground under the pads should be leveled as smooth as possible with all vegetation removed. Pads to be placed on fully compacted or undisturbed soil, at or below the frost-line or otherwise protected from the effects of frost.Refer to NCSBCS/ANSI A225.1
3. Pier & pad spacing will be determined by the manufactured homes' written set-up instructions or any local or state codes.
4. The open cells between the ribbing on the upper side of the pads may be filled with soil or sand after installation to prevent any accumulation of stagnant water in the pads.
5. A pocket penetrometer may be used to determine the actual soil bearing value. If no soil testing equipment is available – use an assumed soil value of 1000 lbs. / square foot.
6. All pad sizes shown are nominal dimensions and may vary up to 1/8".
7. The maximum deflection in a single pad is 5/8" measured from the highest point to the lowest point of the top face. (NOTE: Actual test results were less than 5/8")
8. Pad loads are the same when using single stack or double stack blocks.
9. The maximum load at any intermediate soil value may be determined as the average of the next lower and next higher soil value given in the table below.
10. If the home manufacturer shows soil densities greater than 3000 lbs. When using ABS pads, do not exceed 3000 lbs. soil pier spacings per set up manual.

PAD SIZE	ID NO.	PAD AREA	1000 PSF SOIL	2000 PSF SOIL	3000 PSF SOIL
Oval 16" x 18.5"	1055-23/AIT-06-1000	288 sq. in.	2000 lbs.	4000 lbs.	6000 lbs.
Oval 17" x 22"	1055-16/AIT-06-1001	360 sq. in.	2500 lbs.	5000 lbs.	7500 lbs.
Oval 17.5" x 22.5"	1055-21	384 sq. in.	2667 lbs.	8000 lbs.	8000 lbs.
Oval 17.5" x 25.5"	1055-17/AIT-06-1002	432 sq. in.	3000 lbs.	6000 lbs.	9000 lbs. *
Oval 21" x 29"	1055-22/AIT-06-1003	576 sq. in.	4000 lbs.	8000 lbs. *	12000 lbs. *
Oval 23.25" x 31.25"	1055-20/AIT-06-1004	675 sq. in.	4694 lbs.	9388 lbs. *	9388 lbs. *

PAD SIZE	ID NO.	PAD AREA	1000 PSF SOIL	2000 PSF SOIL	3000 PSF SOIL
Square 16" x 16"	1055-14/AIT-06-1005	256 sq. in.	1785 lbs.	3560 lbs.	5333 lbs.
Square 18.5" x 18.5"	1055-9/AIT-06-1006	342 sq. in.	2375 lbs.	4750 lbs.	7100 lbs. *
Square 20" x 20"	1055-7/AIT-06-1007	400 sq. in.	2750 lbs.	5500 lbs.	8250 lbs. *
Square 24" x 24"	1055-13/AIT-06-1008	576 sq. in.	4000 lbs.	8000 lbs. *	8000 lbs. *

*** Concrete blocks are required to be double blocked.**

11. Any ABS pad configuration may be used to replace a home manufacturer's recommended concrete or wood base pad.
12. **ALABAMA ONLY:** The 23.25" x 31.25" ID#1055-20 may not be installed in the State of Alabama. For the State of Alabama all ABS pads shall not have more than 3/8" deflection. See chart below for details on correct installation in Alabama.

EXAMPLE: 16' x 80' section (Alabama only)

PAD SIZE	1000 PSF	2000 PSF
Oval 16" x 18.5"	**2'9"**	**5'6"**
Oval 17" x 22"	**3'0"**	**6'0"**
Oval 17.5" x 22.5"	**3'9"**	**7'6"**
Oval 17.5" x 25.5"	**4'0"**	**8'0"**
Oval 21" x 29"	**4'5"**	**8'0"**
Oval 23.25" x 31.25"	**6'0"**	**8'0"**

13. **TEXAS ONLY:** 17.5” x 22.5” ID #1055-21 and 23.25” x 31.25” ID #1055-20 may not be installed in the State of Texas.
14. Steel Piers: All pads are tested with steel piers on 1000 PSF soil density unless otherwise noted. (See 15) If required, attach with (04) 2” #12 x ½” hex tech screws. Minimum Pier Base 7 ¼ inches. The Mulit-Pad configuration 35” x 25.5” ID #AIT-06-1002 (03) requires minimum 9 ¼” pier base.
15. Available pads tested on 2000 PSF soil density using steel piers are: ID #1055-14, 1055-9, 1055-7 and 1055-13.
16. **CALIFORNIA:** Use an assumed value of 1000 lb/sq. ft. unless engineering and calculations are provided.

INSTRUCTIONS for Mulit-Pad Configurations

ABS Pad Types

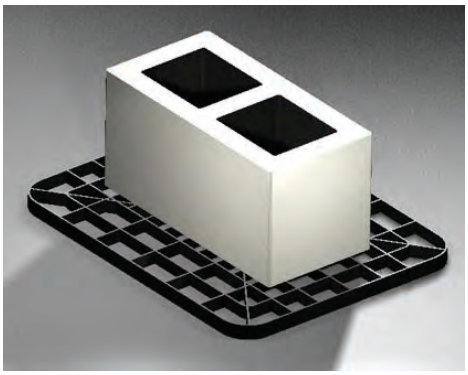
Oval 16” x 18.5” Pad	2.00 Square Feet	ID # 1055-23/AIT-06-1000
Oval 32” x 18.5” Pad Configuration (03)	4.00 Square Feet	
Oval 17” x 22” Pad	2.50 Square Feet	ID # 1055-16-AIT-06-1001
Oval 34” x 22” Pad Configuration (03)	5.00 Square Feet	
Oval 17.5” x 25.5” Pad	3.00 Square Feet	ID # 1055-17/AIT-06-1002
Oval 35” x 25.5” Pad Configuration (03)	6.00 Square Feet	

MAXIMUM PIER LOAD IN POUNDS:

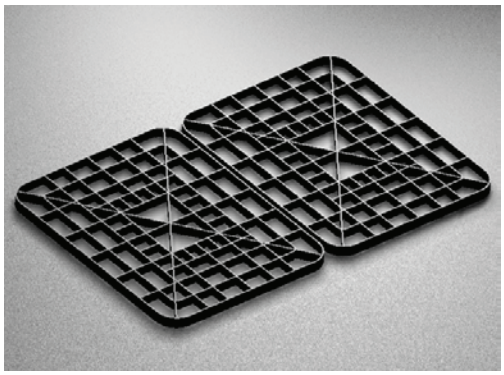
	8” Cell Block	Soil Bearing Value	Maximum Load
32” x 18.5” Pad Configuration	Single Stack	1000 lbs. / sq. ft.	4000 lbs.
	Double Stack	2000 lbs. / sq. ft.	8000 lbs. *
34” x 22” Pad Configuration	Single Stack	1000 lbs. / sq. ft.	5000 lbs.
	Double Stack	2000 lbs. / sq. ft.	10000 lbs. *
35” 25.5” Pad Configuration	Single Stack	1000 lbs. / sq. ft.	6000 lbs.
	Double Stack	2000 lbs. / sq. ft.	12000 lbs. *

***Concrete blocks are only rated at 8000 pounds, 8001 pounds and higher must be double stacked.**

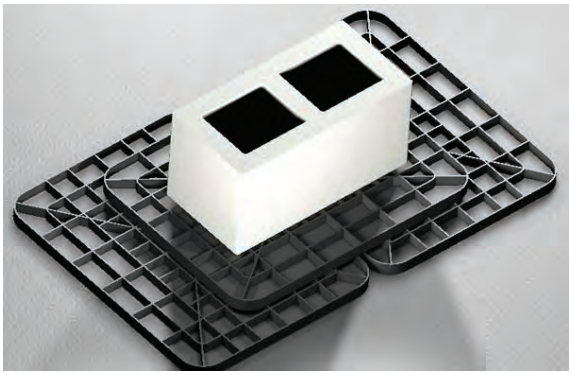
PAD ASSEMBLY



STEP 1 - 17” x 22” ABS Pad
(Note: Use 2 blocks side by side for soils rated at more than 1,000 lbs / sq. foot)



STEP 2 - (2) 17” x 22” ABS PADS (34” x 22” Configuration)



STEP 3 - Complete Assembly 34” x 22” Multi-pad Configuration

1. General instructions (on reverse) apply to all multi – pad configurations.
2. The 32” x 18.5” pad configuration is formed by using (3) 16” x 18.5” ABS Pads. Place (2) 16” x 18.5” side by side, and place (1) 16” x 18.5” on top, laid in the opposite direction to the bottom pads.
3. The 34” x 22” pad configuration is formed by using (3) 17” x 22” ABS Pads. Place (2) 17” x 22” pads side by side, and (1) 17” x 22” pad on top. The top pad is laid in the opposite direction to the bottom pads.
4. The 35” x 25.5” pad configuration is formed by using (3) 17.5” x 25.5” ABS Pads. Place (2) 17.5” x 25.5” pads side by side, and (1) 17.5” x 25.5” pad on top. The top pad is laid in the opposite direction to the bottom pads.