



DEPARTMENT OF INSURANCE

State of North Carolina

P. O. Box 26307

RALEIGH, N. C. 27611

JIM LONG
COMMISSIONER OF INSURANCE

MEMORANDUM

MANUFACTURED HOUSING DIVISION
(818) 733-3801

DATE: August 28, 1995

TO: All Building Inspection Departments, Manufacturers, Dealers, and Set-up Contractors.

FROM: C. Patrick Walker, P.E. CPW
Deputy Commissioner

RE: ABS Plastic Footer Pads - Manufactured by Mobile Home Safety Products

This memo is to clarify this Department's acceptance of the above listed plastic footing pad. The following comments are based on our review of the submitted specifications and test data:

1. The above listed material has been found by this Department to be an acceptable alternative footing material for supporting manufactured/mobile homes when installed in accordance with the ABS Pads' manufacturer's installation instructions.
2. Before using ABS footer pads to set-up a NEW manufactured home, the home manufacturer must also agree that the ABS footer pads is an acceptable alternative footer material. For USED manufactured homes, the home manufacturer's approval of the ABS pads is not required.
3. The depth to the bottom of the footing pads must be the same as indicated in Section 4.4.3 of the N.C. Regulations for Manufactured/Mobile Homes.
4. The excavation for the footing pad must be back filled as required in Section 4.3 to prevent entrapment of water.
5. All metal piers used in conjunction with these ABS footer pads must be listed or labeled in accordance with Section 4.5 and installed in accordance with the pier manufacturer's installation instructions.
6. All installation instructions must be obtained directly from the manufacturer or the local supplier.

CITY OF Burlington

INSPECTION DEPARTMENT

TELEPHONE (910) 222-5080

FAX (910) 222-5080

P.O. BOX 1358, BURLINGTON

NORTH CAROLINA 27216-1358

July 31, 1995



Mr. Lon Larson
2560 N. Perris Blvd. G4#173
Perris, CA 92751

Dear Mr. Larson,

ABS pads have been approved by the NC Department of Insurance in Raleigh for use in the set-up of mobile homes. Please send me a copy of Mobile Home Safety Products Installation Instructions for ABS Pads #040 PADS 3-02-27-95 (pages 1-6).

This should speed our local approval of set-up involving ABS pads.

Thank you,

Jim Wright
Chief Inspector



DEPARTMENT OF INSURANCE
State of North Carolina

P. O. BOX 26387

RALEIGH, N. C. 27611

JIM LONG

COMMISSIONER OF INSURANCE


MANUFACTURED HOUSING DIVISION

(919) 733-3901

MEMORANDUM

DATE: July 13, 1995

TO: All Local/County Inspection Department, Manufacturers, Dealers, & Set-up Contractors.

FROM: Owen K. Tharrington, Jr. 
Deputy Commissioner

RE: ABS Pads For Footers and Elevated Homes Clarification.

As many of you are aware, there was some talk of approving ABS Pads for an alternate footing material.

This investigation has been completed and as you can see from the attached letter, ABS Pads are a suitable product for footers. For information, you can contact Lon Larson at the address indicated on the attached letter.

One note of caution, you must make sure the manufactured home manufacturer accepts these footers as an alternate method.

Item Two - Elevated Homes: The question has arisen as to whether you use the criss-cross method of anchoring homes without the engineering requirements for homes that exceeds 36 inches in height above the ground. Section 4.5.7 stipulates that "when more than 1/4 of the area of manufactured/mobile home is installed, so that the bottom of the main frame members are more than three (3) feet above the ground, the manufactured/mobile home stabilizing system shall be designed by a qualified Professional Engineer or Architect". Also in Appendix D on Page 124, the same statement appears in the Pier Spacing Table, yet when you review the Tables, it would appear that you could use the criss-crossing method when more than 1/4 of the home exceeds 36 inches. This is not true. The criss-crossing strapping system is for sections or portions of homes that exceeds the tabulated values and Tables 4.6.5(a)(b) & (c). To make a long story short, when more than 1/4 of the area exceeds the 36 inches, you must have a Professional Engineer or Architect to design the set-up, unless the manufacturer's instructions allow you to proceed higher.

OKTJr/kth

Attachments





DEPARTMENT OF INSURANCE
State of North Carolina

P. O. BOX 26387

RALEIGH, N. C. 27611

MANUFACTURED HOUSING DIVISION

(919) 733-3901

JIM LONG

COMMISSIONER OF INSURANCE

June 16, 1995

Mr. Lon Larson
2560 N. Perris Blvd, G4 #173
Perris, CA 92751

RE: ABS Pads For Manufactured Housing Footers

Dear Larson:

This letter is an answer to your request for review of your product to be used as footers for manufactured homes.

As you can see from the attached memo from Mr. Patrick Walker to me, it appears that this product is suitable as an alternate material for footers for homes. This ABS Pads are acceptable, provided that they are installed in strict conformance with test as submitted for review. (i.e. Mobile Home Safety Products Installation Instructions for ABS Pads, #040PADS3-02-27-95, Pages 1 to 6.)

If you have further questions in this matter, please do not hesitate to contact this office.

Sincerely,

A handwritten signature in cursive script that reads "O. K. Tharrington, Jr.".

O. K. Tharrington, Jr.
Deputy Commissioner
Manufactured Housing Division

OKTJr/kth

Attachment





DEPARTMENT OF INSURANCE
State of North Carolina

P. O. BOX 26387

RALEIGH, N. C. 27611

JIM LONG
COMMISSIONER OF INSURANCE

ENGINEERING DIVISION
(919) 733-3901

MEMORANDUM

DATE: June 6, 1995
TO: Owen Tharrington
Deputy Commissioner - Manufacturing Housing Division
FROM: C. Patrick Walker, PE CPW
Director - Modular Construction Section
RE: Plastic Footing Pads for Manufactured Housing
ABS Pads Manufactured by Mobile Home Safety Products

I have evaluated the information submitted regarding the above listed plastic footing pads for manufactured housing and find them to be an acceptable alternative footing for supporting vertical loads when installed in accordance to the manufacturer's installation instructions.

Additional comments:

1. Installation Instructions for Piers on ABS Pier Pads - Installation instruction must also include the maximum pier loads in pounds for each pier/pad configuration.
2. Wind Load Calculations are unacceptable. For North Carolina calculations must be based on Zones I, II, and III which has wind speeds up to 110 MPH. ASCE 7-88.
3. Super Safety Jack installation Sheet 1 of 1 indicates a design load for 70 and 80 MPH wind speed. For North Carolina, wind design must also be included for Wind Zones II (100 MPH) and III (110 MPH) based on the ASCE 7-88 design manual.
4. Limited Warranty - Warranties are very restrictive and therefore in my opinion worthless.

