



FAIRBORN USA INC.

Fairborn USA Inc.
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Series 1500 Inflatable Dock Seal

All Models

Installation Instructions



Do not install this product unless you read and understand the Warnings and Installation Instructions contained in this manual. Failure to do so could result in serious injury or death.

SERIES 1500 INFLATABLE DOCK SEAL

Installation Instructions

CHECK FIRST:

To ensure proper measurement to accommodate the Dock Seal you are installing, check the following:

A. Check the door height and width to verify that your side pads and head curtain are properly sized.

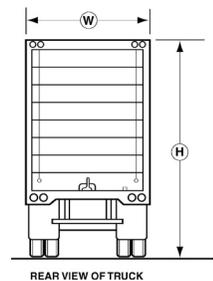
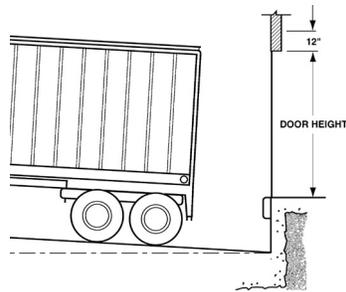
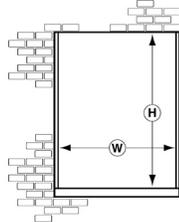
B. It is recommended that the head curtain or side pads be compressed not more than a maximum of 6"; nor more than 45% of its total projection. A minimum of 4" compression is advised to compensate for vehicles not evenly spotted against the building.

C. If the approach is not level, check to make sure the side pads taper to accommodate the angle of the truck. Also on a tapered drive, follow Step "B" for both the top and bottom of the seal, allowing for the recommended compression.

D. Check the heights of incoming carriers that will be utilized at this door, to ensure that the head curtain is of proper elevation to accommodate the height range of these vehicles.

E. For Inflatable Seal installations, the inside edge of the face of the side pads should be 7'-8" I.D. If achieving the 7'-8" dimension requires extending the wood backing of the side pads into the door opening width, use the following recommendation:

Weld or anchor a structural angle the full length of the side jambs, not allowing any portion of the wood backing to be exposed into the door opening. It is appropriate to lag through the leg of the angle into the back of the wood approximately 1" from the edge of the board.



INSTALLATION:

1. Verify that proper unit size and components have arrived at job site to accommodate door to be serviced.

2. On outside building face, position wood side frames (equally spaced per unit width), on either side of dock opening, with frame bottoms at dock level. Secure each frame to wall with a minimum of four (4) anchors. Stagger position anchors 3" in from either edge - one at 12" in from each end of the frame and equally space the remaining anchors. Drill holes through wood frames and into or through building wall for expanding type anchors or thru bolts with back up plates (depending upon wall construction). A minimum of 1/2" diameter anchors recommended. Position the wood head frame across the top of the two side frames and secure to wall in the same fashion. Caulk and seal outside perimeter.

3. Check specifications and drawings as to intended blower/motor location and air inlet to bag assembly. If blower/motor to be inside building and air feed to be thru hole in wall and unit's wood frame, provide that hole now.

4. Unroll fabric side and head bag assembly and position rear hems over wood frame. Secure these hems to inside and outside frame perimeters with roofing nails placed approximately 6" on center.

5. At appropriate locations (at least 15 feet off grade and within reach of fabric air feed tube) secure blower/motor and bracket assembly to outside wall with anchors compatible to wall construction.

6. Attach fabric air feed tube from bag to blower/motor outlet with screw-type hose clamp. (If inside mounted blower/motor required, position PVC pipe into hole thru wall and unit frame, caulk and seal, then attach separate fabric air feed tube between PVC pipe and blower/motor outlet and secure with screw type hose clamps.)

7. Provide required electrical service (including on-off control) to blower/motor per manufacturers instructions and all applicable building and electrical codes.

8. Position sheet metal hood assembly over blower/motor unit and anchor to wall. Caulk and seal.

9. Test inflate unit.

10. Attach provided shock cords to attachment points on sides, top and top corners of unit. Secure other (bracket) ends of shock cords to the building face in positions that result in moderate rearward and upward tension on the bag assembly (approximate standard brackets mounting point is 3'-0" outward and 3'-0" upward from the bag attachment point - 45° angle - when viewing face of unit). These cords are to provide bag support when the unit is in the retracted (deflated) position.

⚠ WARNING

Improper lifting or attachment of seal/shelter can cause serious injury or death.

Installation requires:

- A structurally sound building wall,
- Barricades to keep people away from the area,
- Proper attachment of anchoring devices,
- Two or more people,
- A lifting device capable of lifting at least 500 lbs. at the installation angle.

If you have questions, contact your supervisor, your local Fairborn distributor or Fairborn USA at 1-800-262-1188.

SUGGESTED MOUNTING METHODS:

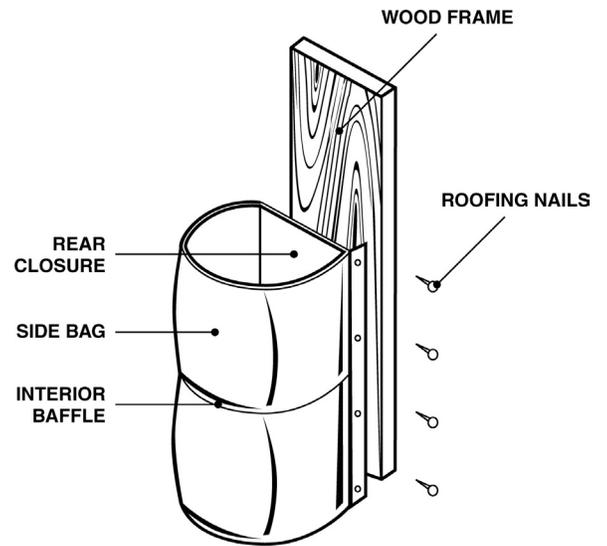
(Mounting anchors not included.)

Concrete or Brick Wall: Try to hit mortar joints. Use 1/2" or 3/8" x 3" expansion anchors. use through-bolt fastening if anchors will not hold, 3/8" threaded rod is recommended.

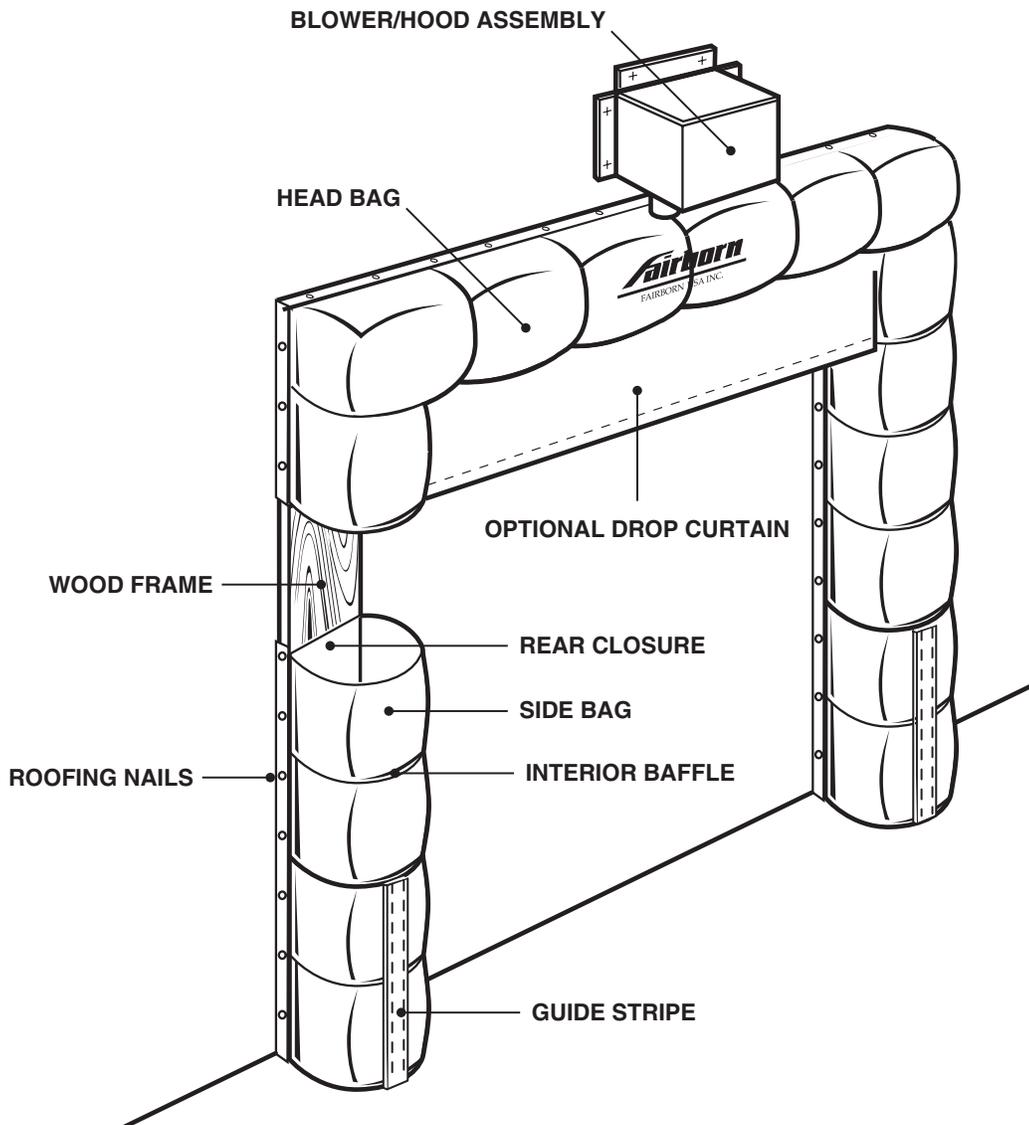
Precast Concrete: Same as above.

Metal Skin Building: Through-bolt fastening as above. Use a back-up plate (steel or wood) to support bolts or anchor through existing building horizontal and vertical structural members when possible.

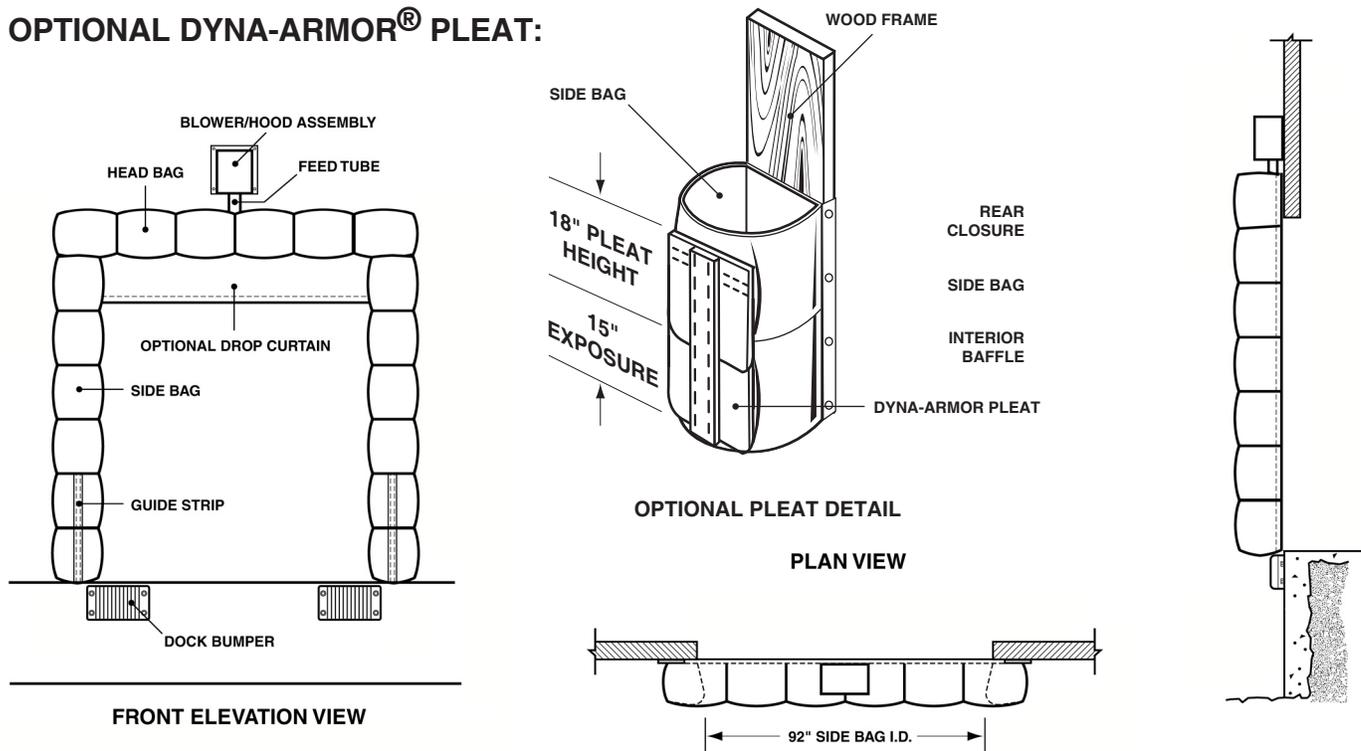
NOTE: Dock Seals must have adequate bumper protection, 4" minimum.



CONSTRUCTION DETAIL



OPTIONAL DYNA-ARMOR® PLEAT:



LIMITED PRODUCT WARRANTY

GENERAL

FAIRBORN USA INC. EXTENDS THIS LIMITED WARRANTY TO THE ORIGINAL BUYER AND WARRANTS THAT ALL PRODUCTS MANUFACTURED BY FAIRBORN SHALL BE FREE FROM ORIGINAL DEFECTS IN WORKMANSHIP AND MATERIALS FOR ONE YEAR FROM DATE OF SHIPMENT, PROVIDED SAME HAVE BEEN PROPERLY SIZED FOR THE APPLICATION, STORED, INSTALLED, SERVICED, MAINTAINED AND OPERATED. THIS WARRANTY SHALL NOT APPLY TO PRODUCTS WHICH HAVE BEEN ALTERED OR REPAIRED IN ANY WAY SO AS, IN FAIRBORN'S JUDGMENT, AFFECTS ITS PERFORMANCE OR RELIABILITY, NOR WHICH HAVE BEEN IMPROPERLY INSTALLED OR SUBJECTED TO MISUSE, NEGLIGENCE, OR ACCIDENT, OR INCORRECTLY USED IN COMBINATION WITH OTHER SUBSTANCES. COMPENSATION FOR PRODUCTS HAVING WEAR AND TEAR CAUSED BY NORMAL USAGE IS NOT PROVIDED FOR BY THIS WARRANTY.

DYNALON

IN CONSIDERATION OF THE SAME CONDITIONS AND RESTRICTIONS AS STATED ABOVE, DYNALON IS WARRANTED AGAINST THE EFFECTS OF WEATHERING FOR A PERIOD OF FIVE YEARS AS DESCRIBED WITHIN. AS PART OF THIS AGREEMENT THE TERM "WEATHERING" IS DEFINED AND LIMITED TO THE EFFECTS OF SUNLIGHT (ULTRAVIOLET RADIATION), WATER (ATMOSPHERIC PRECIPITATION), COLD, AND HEAT. THIS WARRANTY IS NOT APPLICABLE IF THE DYNALON HAS BEEN EXPOSED OR SUBJECTED TO CORROSIVE AGENTS, CHEMICALS, OR MECHANICAL ABUSE.

IN THE EVENT THAT THE EFFECTS OF WEATHERING RENDER THE PRODUCT, CONSTRUCTED OF DYNALON, INOPERABLE DUE TO CRACKING, CHECKING, OR ULTRAVIOLET BREAKDOWN, THEN FAIRBORN USA INC., AFTER INSPECTION AND VERIFICATION, WILL FURNISH REPLACEMENT MATERIALS, AT NO COST TO CUSTOMER, TO FIX OR REPAIR AND/OR REPLACE THE INOPERABLE COMPONENTS. FAIRBORN SHALL NOT BE RESPONSIBLE FOR THE ON-SITE LABOR, FREIGHT, LOSS OF USE OR ANY OTHER EXPENSE RELATED TO THE AFOREMENTIONED CLAIM.