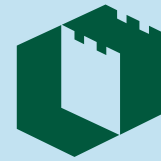


Provides 150 mph hurricane-force wind protection.

Fast and easy to install with hand tools commonly carried by contractors.

For use with ECOPad® or Duragrid® condenser pads.

Provides better resistance to pad overturning than concrete.



Oldcastle Precast®
Enclosure Solutions

ANCHOR
in a storm™

Secures air conditioning equipment in windstorms



Oldcastle Precast®
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CUSTOMER SERVICE

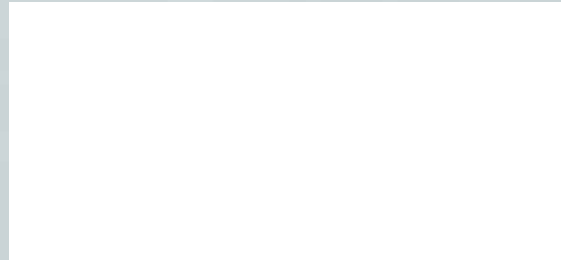
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ANCHOR
in a storm™

AC ANCHOR
SYSTEM

***Hurricane Force
Wind Protection for
Air Conditioning
Equipment and Pads***

ANCHOR in a storm™



The **ANCHOR-in-a-storm™** AC ANCHOR SYSTEM provides hurricane-force wind protection for air conditioning equipment.

When installed properly, the simple system attaches a condensing unit to any size Duragrid® condenser pad--providing better resistance to pad overturning than concrete--and secures both to the ground.

It has been tested in various soils--including loose sandy types--against the forces anticipated during **150-mph** wind speeds.

These wind analysis tests involve the creation of pull forces to simulate those generated in hurricane force storms. The resulting uplift force effects on the Earth Anchor is shown for small and large chassis condenser units.

DURAGRID PAD WIND ANALYSIS

Using a wind speed of 150 mph, the following typical factors have been utilized:

SMALL CHASSIS HVAC UNIT

Size: 24"x24"x30"h
Weight: 127 lbs.
Pad size: 24"x24"x3"h
Weight: 8.65 lbs.

Applied lateral force:
187.46 lbs.

LARGE CHASSIS HVAC UNIT

Size: 36"x36"x42"h
Weight: 152 lbs.
Pad size: 36"x36"x3"h
Weight: 17.6 lbs

Applied lateral force:
393.66 lbs.



Lateral force is applied to duplicate effects of 150 mph wind speed.



Lateral force then creates upward forces on the embedded anchor system. Thus, under these simulated storm conditions, the resulting uplift forces on the embedded anchors are:

SMALL CHASSIS HVAC UNIT

Uplift force: 117.16 lbs.

LARGE CHASSIS HVAC UNIT

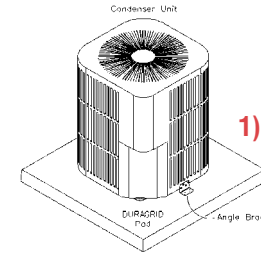
Uplift force: 229.64 lbs.

The maximum holding force of this Anchor System in medium dense soil is 300 lbs.

INSTALLATION INSTRUCTIONS

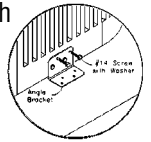
PREPARE THE PAD INSTALLATION SITE:

The soil should have reasonable compressive strength.¹ (ICBO and UBC recommends minimum compressive bearing pressure of 1,500 lb/ft² for supporting pad). Clear area of debris and vegetation approximately six inches (6") longer and wider than the pad itself. Rake the area level, sloping grade away from the pad site, reducing the possibility of water ponding around the pad.

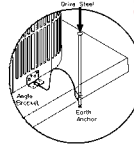


1) Once the condenser has been positioned on the pad, install angle brackets to the outer housing near the bottom.²

2) CAUTION: Use care. Do not puncture the condenser coil. Drill tek-screws through the pre-drilled holes on the angle bracket into the base of the condenser unit (Do the same for other side)



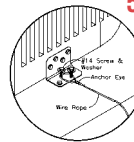
3) Place drive point as close to the pad as possible and begin driving anchor until the wire has adequate tension. (Anchors are driven into the soil using a hammer and drive steel.)



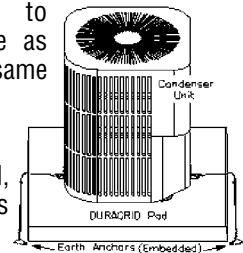
4) A firm tug on the anchor wire will confirm desired anchor stability. Insert drive rod through anchor wire loop. There should be considerable resistance to pulling tension on anchor wire rope.



5) Drill tek-screws through washer and bracket into pad to secure anchor eye as shown. (Do the same for other side.)



6) With both brackets installed, insure the wire rope attachments are tight and unit is secured.



¹ Expansive soils, such as those with high clay content can be improved by adding and tamping a four -inch (4") thick layer of crushed rock slightly larger than the pad foot print.

² Per Revised Florida Building Code, Mechanical Section 310.13.1