



DECRA METAL ROOFING IS THE IDEAL SOLUTION FOR HIGH WIND / COASTAL INSTALLATIONS

We confirm that our DECRA stone coated steel roof systems can withstand the following wind uplift force, as verified by a Florida Building Code approved independent building material test laboratory:

Direct-To-Roof Deck DECRA Systems

Shake XD Standard Installation Method:

5 fasteners* @ 10" on-center: **177 mph** wind uplift force (-78.5 psf uplift)**

Shake XD High Wind Installation Method:

10 fasteners* @5" on-center: **248 mph** wind uplift force (-153.5 psf uplift)**

* Fastener is a minimum #8 x 1.5" with ¼" hex head with integral metal washer; Shake XD is installed direct to the roof deck

** Cycling wind pressures, culminating in uplift to point of failure per test standard TAS 125 **Miami NOA 18-1015.06**

Shingle XD Standard Installation Method:

5 fasteners* @ 10" on-center: **173 mph** wind uplift force (-75.0 psf uplift)**

Shingle XD High Wind Installation Method:

10 fasteners* @5" on-center: **197 mph** wind uplift force (-97.5 psf uplift)**

* Fastener is a minimum #9 x 1.5" with ¼" hex head with integral metal washer; Shingle XD is installed direct to the roof deck

** Cycling wind pressures, culminating in uplift to point of failure per test standard TAS 125

Shingle Plus Standard Installation Method:

4 fasteners* in nose; 4 in back shelf: **161 mph** wind uplift force (-65.0 psf uplift)**

Shingle Plus High Wind Installation Method:

7 fasteners* in nose; 7 in back shelf: **202 mph** wind uplift force (-102.5 psf uplift)**

* Fastener is a minimum #8 x 1.5" with ¼" hex head with integral metal washer; Shingle Plus is installed direct to the roof deck

** Cycling wind pressures, culminating in uplift to point of failure per test standard TAS 125 **Miami NOA 18-1015.06**

Villa Tile Standard Installation Method:

4 fasteners* - one each in back tab: **145 mph** wind uplift force (-52.5 psf uplift)**

* Fastener is a minimum #8 x 1.5" with ¼" hex head with integral metal washer; Villa Tile is installed direct to the roof deck

** Cycling wind pressures, culminating in uplift to point of failure per test standard TAS 125

Villa Tile Standard Installation Method (larger fastener diameter):

4 fasteners* - one each in back tab: **175 mph** wind uplift force (-76.5 psf uplift)**

* Fastener is a minimum #12 x 1.5" with ¼" hex head with integral metal washer; is installed direct to the roof deck

** Cycling wind pressures, culminating in uplift to point of failure per test standard TAS 125



Villa Tile High Wind Installation Method (installed on 1x4 wood battens):

12 fasteners* - one in each back tab + one on the side of each tab (3/tab location) AND,
8 fasteners** - two in each panel 4" o.c. on nose at panel peak rise – stitch nose-to-nose:

248 mph wind uplift force (-153.0 psf uplift)***

* Fastener is a minimum #12 x 1.5" with 5/16" head diameter; installed into secured 1x4 wood batten

** Fastener is a minimum #8 x 3/4" stitch pan head screw; installed to secure panel nose-to-nose

*** Cycling wind pressures, culminating in uplift to point of failure per test standard TAS125

Miami NOA 18-1015.06

On 2x2 Wood Batten Strips DECRA Systems

Shake / Tile / Shingle Plus – Standard Installation Method:

4 fasteners* in panel nose: **185 mph** wind uplift force (-86.0 psf uplift)**

Shake / Tile / Shingle Plus – High Wind Installation Method:

7 fasteners* in panel nose: **248 mph** wind uplift force (-153.5 psf uplift)**

* Fastener is a minimum #8 x 1.5" with 3/4" hex head with integral metal washer; Shake, Tile, Shingle Plus is installed on 2x2 wood battens properly fastened to roof deck per test report detail

** Cycling wind pressures, culminating in uplift to point of failure per test TAS 125 **Miami NOA 18-1015.06**

All posted wind rating results are calculated using a 2x safety factor. Actual test lab uplift forces to point of roof failure recorded are double the stated values – as required by State of Florida Building Code officials.

The stated wind uplift values were reviewed, stamped and signed by the test lab Professional Engineer (P.E.), our DECRA independent P.E., and the Florida building code reviewing P.E.

Miami Dade:

<http://www.miamidade.gov/building/library/productcontrol/noa/18101506.pdf>

Florida BC:

https://cdn2.hubspot.net/hubfs/5712265/Website%20Files/Code%20Compliance/2020_01_FINAL_ER_DECRA_FL9759-R8.pdf

Compliance Sheet:

https://decra.com/hubfs/DECRA%20sales%20sheet%20CODE%20COMPLIANCE_9.14.21.pdf

Please contact Jim Sardegna, our Southeastern U.S. Sales Manager with any additional questions:

jsardegna@decra.com

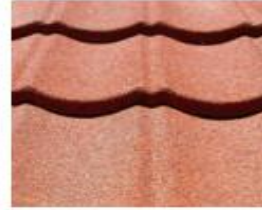
DECRA PROFILES

DECRA TILE

Installed over battens, DECRA Tile, offering the beauty and style of Mediterranean tile, adds a unique elegance to any roof.



Installation: Over Battens
Minimum Pitch: 3:12
Panel Size: 16-1/2" x 52"
Installed Exposure: 14-1/2" x 50"
Panels per Square: 20
Installed Weight: 150 lbs./sq.



DECRA VILLA TILE

Installed direct-to-deck, DECRA Villa Tile features the classic beauty, elegance and architectural detail of an old-world Italian tile.



Installation: Direct-to-Deck
Minimum Pitch: 3:12
Panel Size: 17" x 44-1/4"
Installed Exposure: 14-1/2" x 39-1/2"
Panels per Square: 25.2
Installed Weight: 160 lbs. / sq.



DECRA SHAKE

Installed over battens, DECRA Shake offers the distinctive beauty and richness of cedar shake, while providing durability and longevity.



Installation: Over Battens
Minimum Pitch: 3:12
Panel Size: 14-5/8" x 53"
Installed Exposure: 12-5/8" x 51"
Panels per Square: 22.4
Installed Weight: 150 lbs./sq.



DECRA SHAKE XD

Installed direct-to-deck, DECRA Shake XD emulates the classic beauty and architectural detail of a thick, rustic, hand-split wood shake.



Installation: Direct-to-Deck
Minimum Pitch: 3:12
Panel Size: 14-1/8" x 52-1/8"
Installed Exposure: 12-3/8" x 49-7/8"
Panels per Square: 23.4
Installed Weight: 150 lbs./sq.



DECRA SHINGLE XD

Installed direct-to-deck, DECRA Shingle XD has the rich, bold appearance of a heavyweight architectural shingle at a fraction of the weight.

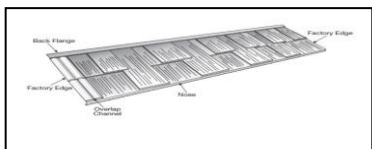


Installation: Direct-to-Deck
Minimum Pitch: 4:12
Panel Size: 14-1/8" x 52-3/8"
Installed Exposure: 12-1/4" x 49-1/2"
Panels per Square: 23.8
Installed Weight: 150 lbs. / sq.



DECRA SHINGLE PLUS

Batten or Direct to Deck install.
 Shingle Plus is our original shingle profile designed to provide a heavy architectural shingle appearance.



Installation: Direct to Deck or Battens
Minimum Pitch: 3:12
Panels Size: 16 1/2" x 52"
Installed Exposure: 14 1/2" x 50"
Panels per Square: 20
Installed Weight: 150 lbs./sq.

