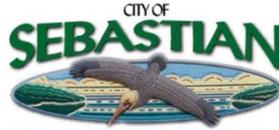


FRSA/TRI Florida High Wind Concrete and Clay Tile Installation Manual Fifth Edition (REVISED)
Roof Tile System Work Sheet



HOME OF PELICAN ISLAND
 BUILDING DEPARTMENT
 1225 MAIN STREET • SEBASTIAN, FLORIDA 32958
 TELEPHONE: (772) 589-5537 • FAX (772) 589-2566

- Location of structure – _____, FL Zip Code _____
- www.atcouncil.org/windspeed/
- _____ Story Single Family Residence, _____ Story Commercial Building
- ____/12 Slope, Multiple Slope - ____/12 Slope
- Plywood Deck, Wood Plank, Other _____
- Wind Speed _____ MPH
- Exposure Category: B C D
- Roof Mean Height _____
- Roof Tile - Florida Product Approval # / Miami-Dade Notice of Acceptance # _____
- Roof Tile Adhesive - Florida Product Approval # / Miami-Dade Notice of Acceptance # _____
- Underlayment - Florida Product Approval # / Miami-Dade Notice of Acceptance # _____

System Type (Page 3):

Tile System Check List		(Circle One of The Options)
1	Battens Utilized	Yes / No
2	Pitch of Roof (Enter Slope(s))	/12 /12
3	Field Tile Attachment	Adhesive Set / Mechanical Attachment
4	Number of Ply's	Single / Two
5	Underlayment Attachment Method	SA / CA / HA / HM / DM (Note 1 Below)
6	Metal Flashing Type	Pre-Formed / Standard
7	Pre-formed Flashings	With / Without returns
8	Additional Flashings (Transitional)	Yes / No
9	Roof Tile Fastener Penetrations	Sealed / (See Note 2 Below)

Note 1: SA=Self Adhered, CA=Cold Applied, HA=Heat Applied, HM=Hot Mop, DM=Dry/Mechanical

Note 2: Refer to the underlayment manufacturer's written instructions or product approval.

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Table 1A (Page 14) Underlayment Design Pressure: _____

Table 1 Mechanically Fastened Anchor Sheet (Page 13)

Field: # of Rows _____ Fasteners _____ Inches on center

Lap: _____ Inches on center

Back nail Cap sheet: _____ Inches on center

Adhesive Set

Table 2A (Page 15) Required Aerodynamic Uplift Moment for Field Tile (6/12 and Less)

Table 2B (Page 16) Required Aerodynamic Uplift Moment for Field Tile (Greater Than 6/12)

Exposure Category _____, MRH _____, Basic Wind Speed _____,

Aerodynamic Uplift Moment _____

The Roof Tile Adhesive Florida Product Approval - Allowable Overturning Moment _____ must be equal to or greater than Aerodynamic Uplift Moment _____ in Table 2A or 2B.

Miami-Dade NOA - Moment Resistance determined in accordance with RAS-127 _____

Florida Building Code Edition 2010

High-Velocity Hurricane Zone Uniform Permit Application Form.

Section E (Tile Calculations) (N/A to Indian River County)

For Moment based tile systems, choose either Method 1 or 2. Compare the values for M_r with the values from M_f . If the M_f values are greater than or equal to the M_r values, for each area of the roof, then the tile attachment method is acceptable.

Method 1 "Moment Based Tile Calculations Per RAS 127"

(P1: _____ x λ _____ = _____) - Mg: _____ = M_{r1} _____ NOA M_f _____

(P2: _____ x λ _____ = _____) - Mg: _____ = M_{r2} _____ NOA M_f _____

(P3: _____ x λ _____ = _____) - Mg: _____ = M_{r3} _____ NOA M_f _____

Mechanical Attachment

Table 2A (Page 15) Required Aerodynamic Uplift Moment for Field Tile (6/12 and Less)

Table 2B (Page 16) Required Aerodynamic Uplift Moment for Field Tile (Greater Than 6/12)

Exposure Category _____, MRH _____, Basic Wind Speed _____,

Aerodynamic Uplift Moment _____

The Mechanical Roof Tile Resistance Values for Field Tile found in Table 3 (Page 17) _____ must be equal to or greater than the Aerodynamic Uplift Moment _____ in Table 2A or 2B.

Miami-Dade NOA - Moment Resistance determined in accordance with RAS-127

Table 3 Mechanical Attachment Check List (Circle one and/or Enter Value)						
Deck Thickness	Installation Method	Fastener Type	Attachment Description (Enter Information)	Tile Profile "Circle one" & Resistance Value	Table 2A or 2B Resistance Values	Moment Based Tile Calculations Per RAS 127 (NOA)
15/32"	Direct Deck	Nail	(See Note Below)	Low	Slope: ____/12	M _{r1} . _____
19/32"	Batten	Screw		Medium		Resistance Value _____
				High	Resistance Value _____	M _{r3} . _____

Note: Attachment Description Information (Table 3 Page 17)

SS = Smooth Shank Nail or Screw Shank, RS = Ring Shank, C = Clip, HL = Head Lap