Ekoroof Tile Roof Penetration Detail

**Lead Pipe Flashing (where compatible).**
Optional in HVHZ with EPDM or Silicone boot method

Make watertight seal between vent stack and/or lead pipe flashing and underlayment(s)

**Underlayment(s) - Minimum 1 Ply ASTM D 226 Type II**

**Sheathing - Minimum 1/2” Plywood or Wood Plank**

Vent Pipe

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**EPDM or Silicone Pipe Boot Method**

*Note: This Method for use within HVHZ*

Also note: This method is to be used with gas vents, goosenecks, roof jacks, APV vents, or other types of vent stack penetrations through roof deck and Ekoroof covering. For ease of installation, all non-round penetrations should be substituted with equivalent and approved round pipes when possible, provided flow and function is not affected.

**Lead Flashing Optional when using Silicone or EPDM Boot**

Hose clamp, if required by manufacturer

EPDM or Silicone Vent Pipe Flashing

**Sealant**

Ekoroof Tile

Do not penetrate underlayment(s) or sheathing. If penetrating deck cannot be avoided due to vent location, such as in a low point of tile, use 2” main Ekoroof fastener, color-matched for aesthetics.

Fastener is 1” #10-13 Corrosion Resistant & Approved Screw with 1/4” Hex or Concealer/Pancake Head, color-matched to tile for aesthetics.

Apply a full bead of sealant at joint of boot flashing with lead pipe flashing & joint with Ekoroof Tile. Sealant type is Ekoroof Vent Pipe Flashing Sealant, NPC Sealants Solar Seal 900® or equivalent.

Boot base fasteners shall be applied 4” O.C.

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**Mortar Method**

*Note: Not approved for HVHZ*

**Fully seal vent pipe flashing to Ekoroof Tile using Roofing Mortar color-matched to tile for aesthetics**

Ekoroof LiteTile

**Drawings not to scale**
Ekoroof Tile Gooseneck Penetration Detail

Make watertight seal between gooseneck and underlayment(s)

Underlayment(s) - Minimum 1 Ply ASTM D 226 Type II

Sheathing - Minimum 1/2” Plywood or Wood Plank

Vent Pipe

Flexible Flashing Method

Note: This Method for use within HVHZ
Also note: This method is to be used with rectangular penetrations such as skylights and vents.

Flexible Flashing

Ekoroof LiteTile

Underlayment(s)

Flexible flashing method is DEKS® brand KwikFlash® with aluminum mesh

Recommended flexible flashing brand is DEKS® brand KwikFlash® with aluminum mesh

Ekoroof LiteTile

Flexible Flashing

Underlayment(s)

Flexible flashing method is DEKS® brand KwikFlash® with aluminum mesh

Recommended flexible flashing brand is DEKS® brand KwikFlash® with aluminum mesh

Fastener is 1” #10-13 Corrosion Resistant & Approved Screw with 1/4” Hex or Concealer/Pancake Head, color-matched to tile for aesthetics.

Mortar Method

Note: Not approved for HVHZ

Fully seal gooseneck to Ekoroof Tile using Roofing Mortar color-matched to tile for aesthetics

Fully seal gooseneck to Ekoroof Tile using Roofing Mortar color-matched to tile for aesthetics

Fastener is 1” #10-13 Corrosion Resistant & Approved Screw with 1/4” Hex or Concealer/Pancake Head, color-matched to tile for aesthetics.

Ensure Ekoroof tile is dry and clean of oils, dust and dirt and apply the self-adhered flashing beginning down-slope and overlapping as needed, up-slope in shingle fashion. Ensure flashing extends 4” away from the base of the penetration and at least 2” vertically on the item to be flashed. Fasten perimeter with a 1” wide aluminum termination bar fastened every 6” O.C.

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Flexible Flashing Method

Note: This Method for use within HVHZ
Also note: This method is to be used with rectangular penetrations such as skylights and vents.

Recommended flexible flashing is DEKS® brand KwikFlash®, DekStrip®, or FastFlash®, self-adhered rubber flashing with aluminum mesh

Instructions, details, and specifications for DEKS® Products can be found at http://www.deks.com.au/

When installing 1” aluminum termination bars, do not penetrate underlayment(s) or sheathing. If penetrating deck cannot be avoided due to vent location, such as in a low point of tile, use 2” main Ekoroof fastener, color-matched for aesthetics.

Ensure Ekoroof tile is dry and clean of oils, dust and dirt and apply the self-adhered flashing beginning down-slope and overlapping as needed, up-slope in shingle fashion. Ensure flashing extends 4” away from the base of the penetration and at least 2” vertically on the item to be flashed. Fasten perimeter with a 1” wide aluminum termination bar fastened every 6” O.C.

Fastener is 1” #10-13 Corrosion Resistant & Approved Screw with 1/4” Hex or Concealer/Pancake Head, color-matched to tile for aesthetics.

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