



Strong as Steel. Light as Air. Color that Lasts.™

Tile Series Roof Compatibility Guide

Synthetic, Composite and Tile Roof Systems — Snow Retention

The ArcticAnchor™ Tile Series carries snow retention on a concealed base rather than on a mount through the visible roof surface. It suits synthetic, metal, shake and rubber tile roof systems, which all install the same way.

The brackets go on as the roof goes on. A flat steel base is fastened down through the tile and into the structure beneath, then the next course of tiles is laid over it. The base stays concealed under that course and the upright carries a continuous TitanCore™ rail above the roofline. There is no lifting of finished roofing and no second alignment pass.

Because the base fastens through the tile rather than clamping to a seam or rib, compatibility is confirmed **by product line** rather than by a dimension you measure.

System specifications

Bracket — flat steel base, concealed beneath the next course of tile

Fasteners — #10 structural lag screws; minimum 3 per bracket, 4 at 6:12 slope or steeper and/or 40+ psf ground snow load

Substrate — continuous deck. Batten roofs must be confirmed with ArcticAnchor™ before installing

Rail clearance — single rail 1.25"; double rail 2"

Ice retention — built-in ice stopping brackets

Finish — colour matched, or clear components for blended tile

Warranty — limited lifetime

Bracket spacing is calculated, not fixed. It depends on slope, snow load, rail span and roof covering — run the project through the calculator at arcticanchors.com before ordering. **Double rail is recommended** at 40+ psf ground snow load, or on roofs of 7:12 slope and steeper.

Plan the snow retention with the roof, not after it. Brackets are installed as the roofing goes on — each base is fastened before the next course is laid over it. Specify the system at the same time as the roof covering so the brackets can be set as the courses go up. Retrofitting to a finished tile roof is a different scope and should be discussed with us before you quote it.

Confirmed compatible — synthetic and composite tile

The following product lines are confirmed compatible with the ArcticAnchor™ Tile Series. Find your manufacturer, then confirm the specific product line. If your manufacturer appears here but your product line does not, contact us — it may simply not have been assessed yet.

MANUFACTURER	COMPATIBLE PRODUCT LINES
Brava	Cedar Shake Slate Tile
Enviroshake	Enviroshake EnviroSlate EnviroShingle EnviroCool
Polysand	SyntheticSlate
EcoStar	Slate Shake Concrete Clay
DaVinci Roofscapes	Single-Width Composite Shake Select Shake Multi-Width Composite Shake Single-Width Composite Slate Multi-Width Composite Slate Province Slate Inspire Slate
CEDUR	All shake tile products
Euroshield	Beaumont Shake Ranchlands Shake Vermont Slate Vermont Slate HP Rundle Slate
F-Wave	Designer Slate Hand-Split Shake Classic Slate

Product lines are periodically added, revised and discontinued by their manufacturers. Confirm your specific product with us before ordering, particularly on a roof installed more than a few years ago.

Four conditions govern whether the Tile Series can be installed on a given roof. On the product lines listed previously these are already confirmed. On the roof types assessed per project, these are what we check.

What determines compatibility

A continuous deck beneath the tile	The fasteners must reach solid structure. On a batten roof there is an air gap under the covering and a screw can pass through the tile and catch nothing — a fastener reaching only tile and air carries no load. Batten systems must be confirmed with ArcticAnchor™ before installing.
A tile that accepts fastening through it	The base is fastened down through the tile with #10 structural lag screws. The tile has to take that fastening without splitting, crazing or lifting, and hold the base pulled flat against it.
Enough clear field on the tile	Each base must sit 1"–4" clear of the nail line for the second row of tiles and at least 2" from the tile edges, so it is never bearing on a nail, an edge or a joint between tiles. Short or narrow tile formats can make that window tight.
A course depth that matches the score marks	Every base carries 2" and 3" score marks, which set a uniform depth off the tile course. Those cover the most common synthetic tile spacings; a covering that suits neither mark needs review.

Assessed on a project basis

The Tile Series also works on several other roof types, but these are confirmed per project rather than listed by product line. Send us the panel or tile drawings and we will tell you whether the base can be installed and fastened correctly on your roof.

Metal tile and stone-coated steel	Stone-coated steel and pressed metal tile panels vary considerably in pan depth, batten spacing and the shape of the interlock. Many work well, but the base has to sit flat and land on a fastening point. Send the panel drawings and we will confirm.	Send us: Panel profile drawings or a manufacturer cut sheet
Asphalt shingle	The base installs beneath the shingle course and fastens into the deck. Whether it works depends on the shingle profile, course exposure and deck condition. Send us the shingle product and roof details for a project assessment.	Send us: Shingle manufacturer and product line, plus deck type
Natural shake and natural slate	Natural materials vary in thickness, coursing and brittleness in a way manufactured products do not, and lifting a natural slate to install a base carries a breakage risk that has to be judged on the roof. These are always assessed individually.	Send us: Material thickness, coursing and photographs of the roof

Requesting a project assessment

Send the following and we will confirm compatibility, recommend single or double rail, and provide a bracket layout for your roof. Assessments are typically returned within one business day.

Panel or tile drawings	A manufacturer cut sheet, profile drawing or technical detail showing the tile in cross-section. This is the single most useful item and usually answers the question on its own.
Manufacturer and product line	Both. Product line matters — manufacturers run several profiles under one brand, and they differ.
Roof photographs	One showing the general roof, and one close up showing how the tiles course and overlap, including the nail line. For natural materials, include a photo showing tile thickness at the butt.
What is beneath the tile	Continuous deck, or battens. This is the first thing we check — the fasteners have to reach solid structure, and batten systems need confirmation before installing.
Roof slope	Slope determines single or double rail, and whether four fasteners per bracket are required.
Building location	So we can size the layout to your local ground snow load.
Eave lengths and rafter length	For the bracket layout and the number of rows required.

Send project assessments to sales@arcticanchors.com | (725) 600-0401 or (778) 893-4454 | arcticanchors.com

Compatibility listed in this guide confirms that the ArcticAnchor™ Tile Series base can be installed and fastened on the named product line. It does not determine how many rows of retention a roof requires, and it does not warrant the roofing product itself. Snow retention layout, bracket spacing and the number of rows must be determined for each roof from slope, roofing material, rafter length, substructure and local ground snow load. Installation must not compromise the roofing manufacturer's own installation requirements or warranty — confirm with the roofing manufacturer where required. This document is not a substitute for a project-specific engineering review.

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