

Quick Estimate Guide



Pioneers in Sustainable Roofing Since 1993

	Bundles Per Square					Nails	
	6" Exposure (152 mm)	7" Exposure (178 mm)	8" Exposure (203 mm)	9" Exposure (229 mm)	10" Exposure (254 mm)	Length	Per Bundle
TRADITIONAL SLATE (Standard Shadow Line)							
Traditional Slate 12", Beavertail and Beveled Edge -- Class C	8	6.88				1 1/2"	50
Traditional Slate 10" -- Class C	9.24	7.96					
Chisel Point -- Class C	8						
Random-Width Blend Slate -- Class C	7.4	6.35				1 1/2"	72
Traditional Slate 12"-- Class A	10	8.57	7.5			1 1/2"	40
Traditional Slate 10" -- Class A	12	10.0	9				
Beavertail and Beveled Edge -- Class A	10	8.57					
Chisel Point -- Class A	10						
Random-Width Blend Slate -- Class A	8.9	7.6	6.7			1 1/2"	60
NIAGARA SLATE (Enhanced Shadow Line)							
Niagara Slate 14" -- Class C and A			12.52	11.13	10	1 3/4"	20
Niagara Slate 12" -- Class C and A			14.54	12.86	11.63		
Niagara Slate 10" -- Class C and A			17.35	15.42	13.88		
Niagara Slate Random-Width Blend -- Class C and A			8.08	7.4	6.65	1 3/4"	36
TRADITIONAL SHAKE (Standard Shadow Line)							
Traditional Shake -- Class C	7.41	6.35	5.56			1 1/2"	72
Traditional Shake -- Class A	7.41	6.35	5.56	4.94			
NIAGARA SHAKE (Enhanced Shadow Line)							
Niagara Shake -- Class C and A				7.5	6.76	1 3/4"	48
ASPEN BLEND SHAKE (Varied Shadow Line)							
Aspen Blend Shake and Shake Plus -- Class A	11.11	9.5	8.34	7.4		1 1/2" or 1 3/4"	48
CONCRETE (Enhanced Shadow Line)							
Concrete Flat Tile -- Class C and A			14.54	12.86	11.63	1 3/4"	20
CLAY (Enhanced Shadow Line)							
Island Groove Clay -- Class C and A			14.54	12.86	11.63	1 3/4"	20
HIP & RIDGE							
Traditional Slate and Shake Hip & Ridge	5 lineal ft/ bundle					2 1/2"	20
Niagara Slate, Concrete Flat Tile and Island Groove Clay Hip & Ridge		7.5 lineal ft/bundle				2 1/2"	20

Notes:

- High wind installations require double the number of nails per bundle.
- Roofs with a 6/12 (26.6°), or greater, pitch can be installed at any of the listed exposures.
- This document is for estimating purposes only and does not include waste factor or starter row tile requirements. Actual usage will vary based upon roof configuration.



EcoStar Gold Star Warranty Tile Exposure and Deck Substrate Requirements

Proper Tile Exposure	Slope			
	3/12 (14°)	4/12 (18.4°)	5/12 (22.6°)	6/12 & Greater (26.6°)
TRADITIONAL SLATE (Standard Shadow Line)				
Traditional Slate 12", 10", Beavertail, Beveled Edge and Random-Width Blend -- Class C	6" (152 mm)			6" (152 mm) 7" (178 mm)
Chisel Point -- Class C and A	6" (152 mm)			
Traditional Slate 12", 10" and Random-Width Blend -- Class A	6" (152 mm)	6" (152 mm) 7" (178 mm)		6" (152 mm) 7" (178 mm) 8" (203 mm)
Beavertail and Beveled Edge -- Class A	6" (152 mm)			6" (152 mm) 7" (178 mm)
NIAGARA SLATE (Enhanced Shadow Line)				
Niagara Slate 10", 12", 14" and Random-Width Blend -- Class C and A	9" (229 mm)	9" (229 mm)	9" (229 mm)	9" (229 mm) 10" (254 mm)
TRADITIONAL SHAKE (Standard Shadow Line)				
Traditional Shake -- Class C	7" (178 mm)	7" (178 mm)	7" (178 mm)	7" (178 mm) 8" (203 mm)
Traditional Shake -- Class A	7" (178 mm)	7" (178 mm) 8" (203 mm)	7" (178 mm) 8" (203 mm)	7" (178 mm) 8" (203 mm) 9" (229 mm)
NIAGARA SHAKE (Enhanced Shadow Line)				
Niagara Shake -- Class C and A	9" (229 mm)	9" (229 mm)	9" (229 mm)	9" (229 mm) 10" (254 mm)
ASPEN BLEND SHAKE (Varied Shadow Line)				
Aspen Blend Shake and Shake Plus -- Class A	7" (178 mm)	7" (178 mm) 8" (203 mm)	7" (178 mm) 8" (203 mm)	7" (178 mm) 8" (203 mm) 9" (229 mm)
CONCRETE (Enhanced Shadow Line)				
Concrete Flat Tile -- Class C and A	9" (229 mm)	9" (229 mm)	9" (229 mm)	9" (229 mm) 10" (254 mm)
CLAY (Enhanced Shadow Line)				
Island Groove Clay -- Class C and A	9" (229 mm)	9" (229 mm)	9" (229 mm)	9" (229 mm) 10" (254 mm)

Deck Substrate Requirements for Gold Star Warranty:

- Nominal 1/2" (12.7 mm) or thicker plywood
- Nominal 7/16" (11.1 mm) or thicker OSB
- 3/4" (19.1 mm) or thicker tongue and groove or shiplap boards
- Other deck types considered on a case by case basis, contact EcoStar Technical Department

