

Test Approval






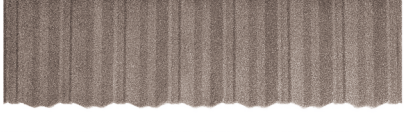




Material		Designation
Base Steel		ASTM A792 (AZM150)

Test Item	Test Method	Certified By
Accelerated Weathering 耐久老化	500H KSF4751 GB/T 16529-1996 1000H ASTM G26	Korea Institute of Construction Materials 中国国家标准测试中心 Korea Institute of Construction Materials
Humidity Resistance	500H KSF4751	Korea Institute of Construction Materials
Salt Spray Test 耐盐雾腐蚀性	500H KSD9502 GB/T 1771-1991 1000H ASTM B117	Korea Chemical Inspection and Testing Institute 中国国家标准测试中心 Korea Institute of Construction Materials
Pencil Hardness	KSD6711	Korea Chemical Inspection and Testing Institute
Cross Cut 密着性	100/100 KSD6711 GB/T 1720-1979	Korea Chemical Inspection and Testing Institute 中国国家标准测试中心
Impact Resistance	KSM5307	Korea Chemical Inspection and Testing Institute
Acid Resistance 耐酸性	KSF4751 GB/T 1748-1999	Korea Chemical Inspection and Testing Institute 中国国家标准测试中心
Alkali Resistance 耐碱性	KSF4751 GB/T 1748-1999	Korea Chemical Inspection and Testing Institute 中国国家标准测试中心
Heat Resistance	KSF4751	Korea Chemical Inspection and Testing Institute
Fire Resistance	KSF2271 UL 790 (Class 4)	Korea Institute of Construction Materials Underwriters Laboratories, U.S.A.
Fire Test	Certificate No.: NM-0049	Japan Ministry of National Land & Transportation
Penetration Test	Assignment No.: 04CA21758	Underwriters Laboratories U.S.A.
Uplift Resistance	UL 2218	Underwriters Laboratories U.S.A.
Snow Resistance	The observation of outdoor exposed roof	Hokkaido Northern Regional Building Research Institute, Japan.

STANDARD PACKING DETAIL

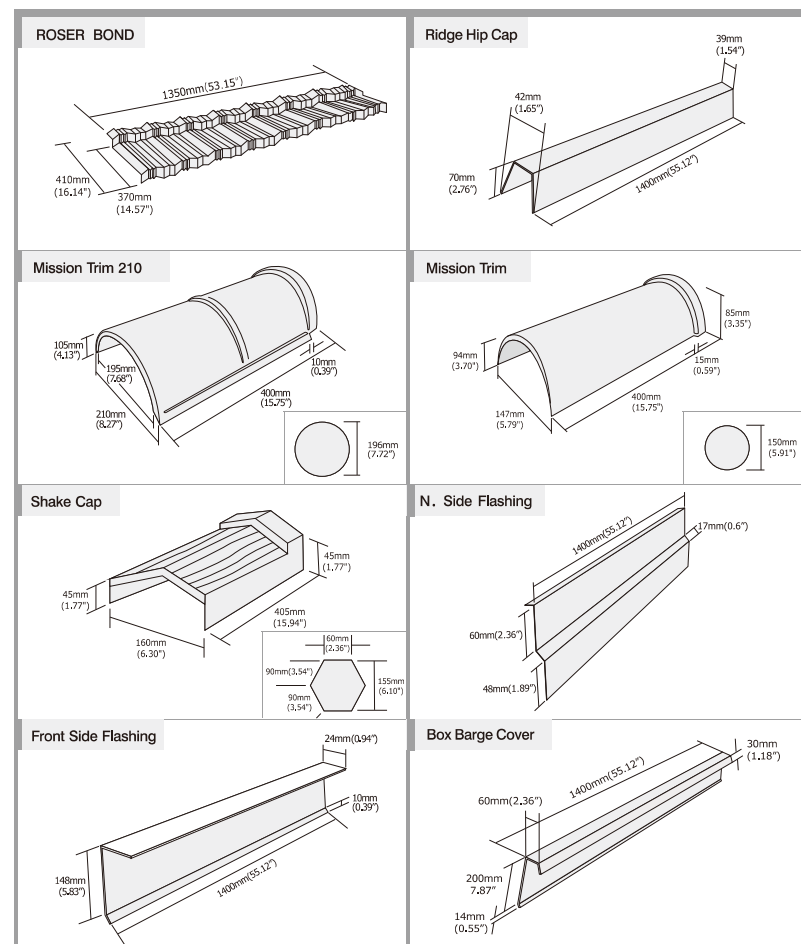
- ROSER BOND Tile - 400 tiles per pallet with weight about 1,200kg
- PALLET DIMENSION - Wooden Pallet dimension of 1,380mm×1,080mm
- EXPORT STANDARD - 14 pallets (5,600 ROSER BOND tiles) with sufficient ROSER BOND accessories can be packed into a standard 20ft(6.10m) container.
- HANDLING & STORAGE - If stored outside, you should place a cover over the tiles to prevent damage and to keep them dry. Be careful when handling tiles to avoid damage to the surface. In the event of minor damages, use the finishing kit to repair it.
- Rust free nails should be used for all installations.

Color Guide

101	Charcoal Grey	
102	Teak	
103	Coffee Brown	
104	Terracotta	
105	Garnet	
106	Piebald	
107	Blade Green	
108	Sea Green	
109	Dark Green	
110B	Slate Grey	

※ The above color samples may look different from the original products. Please refer the actual sample or Roser's color chart for the actual product's color.
 ※ To meet each and every construction requirements, other types of accessories are also available.

Technical Information



※ Other colors available, please check with Roser about other color information.

Stone Coated Steel Roof



ROSER. The reliable partner for roofing solutions.

ROSER ROOFING SYSTEM

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Stone Coated Steel Roof

A leading manufacturer of lightweight stone-coated steel roofing products.

ROSER BOND®
Classic Roofing System



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VERSION:RSBCC-04

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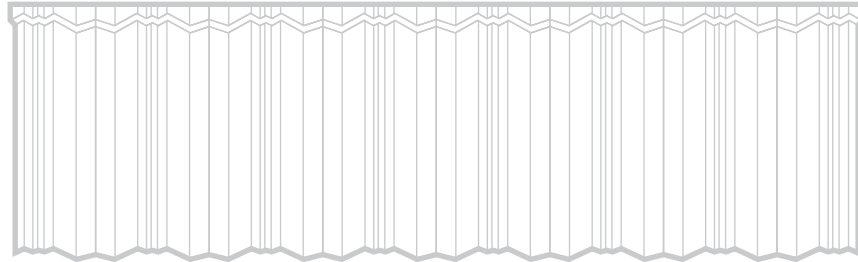
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ROSER BOND®

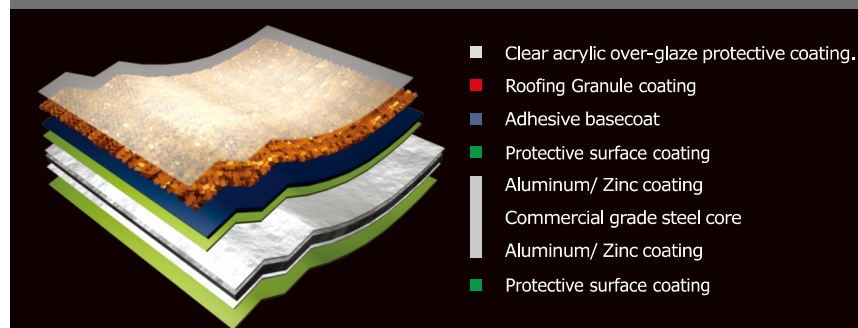
Classic Roofing System



STONE-COATED STEEL ROOF:

ROSER BOND is a world famous, unbelievably light-weight roofing system that can enhance the look of your roof with its elegant design and great color range. ROSER BOND is designed and manufactured to withstand all kinds of severe weather such as extremely hot and cold weather, strong wind, and heavy rain. ROSER BOND can protect your home against all the destructive forces of nature because the roofing tiles are designed to overlap and interlock into a horizontal fix system. The fastenings of this horizontal fix system are done at right angles, thus, creating a roof structure of superior strength that is strong enough to resist hurricane force wind, heavy snowfall, and earthquakes. The granulated stone chips on the surface give beauty and additional weather protection to your roof. ROSER BOND is a product that can enhance the style of any home or commercial building, and give it a lasting beautiful look.

Cross Section of a Roser stone coated steel roofing tile:



WHAT IS GALVALUME:

*Galvalume® steel is the result of an ideal alloy of Aluminum and Zinc. It consists of Aluminum (55% in weight ratio but 80% in surface volume ratio), Zinc (43.4% in weight), and Silicone (1.6% in weight ratio) so it has both Aluminum-unique corrosion-resistance and heat resistance and Zinc-unique "Galvanic Behavior".

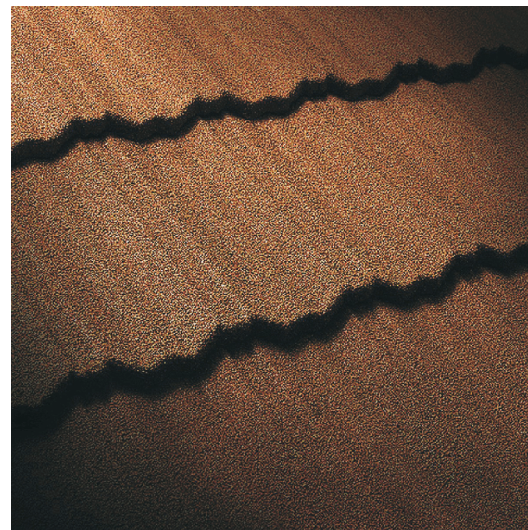
OUTSTANDING DURABILITY:

ROSER BOND is designed and manufactured to withstand all kinds of most severe weather such as extremely hot and cold weather, strong wind, and heavy rain. The core strength is *Galvalume® steel (Al-Zn Alloy). *Galvalume® steel has great long-term corrosion resistance. On both sides of this core strength, additional coating systems applied respectively for enhanced durability. The stone chips are then embedded to provide enhanced strength and beauty.

*Galvalume® is registered a trademark of BIEC International, inc.

ROSER BOND Tile

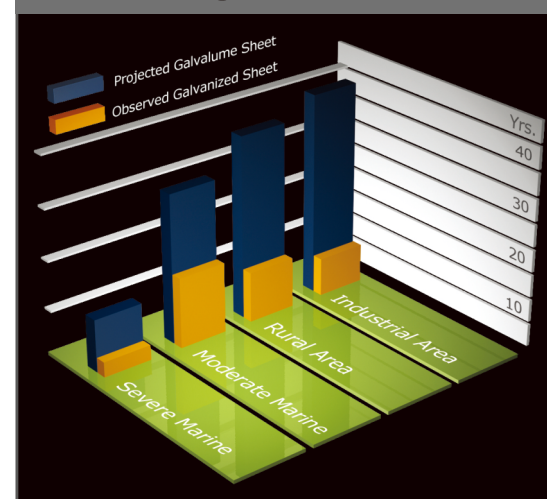
Overall Length	1350mm (53.15")
Length of Cover	1270mm (50")
Width of Cover	370mm (14.56")
Roof Cover/Tile	0.4699m ² (5.06 ft ²)
Coverage	2.13 tile/m ²
Weight	3.0kg (6.61pd)



ROSER ROOFING SYSTEM
Stone Coated Steel Roof



Columned diagram:



Atmospheric test program of *Galvalume® sheet early R&D samples; year to first rust

- Projected life is based on accurately measured panel weight losses caused by corrosion over time.
- The information contained in the Graph is From the May 1999 issue of the Rural Builder Magazine.

With Roser Bond, you will enjoy the beauty of your roof for the rest of your life.



RE-ROOFING:

ROSER BOND can give you a brand new roof in a matter of days because it is designed to be easily installed over an existing roof.

EASY HANDLING:

ROSER BOND can be cut, bent, and shaped to meet the most demanding roof design from as low as a 12-degree pitch to a 90-degree angle pitch.

MANUFACTURED TO INTERNATIONAL STANDARDS:

To meet the rapidly changing demands of the 21st century, ROSER CO., LTD. is ISO9001 certified, the quality management system standard accepted in more than 75 countries around the world.

LIGHTWEIGHT:

ROSER BOND is wide and extremely strong yet incredibly lightweight (only about 6.3kg/ Square Meter). It is only about 1/6 weight of traditional clay or concrete tile. ROSER BOND's lightness also means considerable savings on additional structural support, transportation, workmanship, and installation costs.

EXCELLENT COLOR AND DESIGN:

ROSER BOND has a great selection of colors to choose from which will suit each and every customer's color preference. And, its distinctive design will meet any kind of architectural structures beautifully. The colors and design blend in perfect harmony to give a natural and dazzling look to your roof.

