


## 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 中国建材测试中心 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 中国建材测试中心 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 中国建材测试中心
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 中国建材测试中心
Alkali Resistance 耐碱性	KSF4751 GB/T 1748-1999	Korea Chemical Inspection and Testing Institute 中国建材测试中心
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

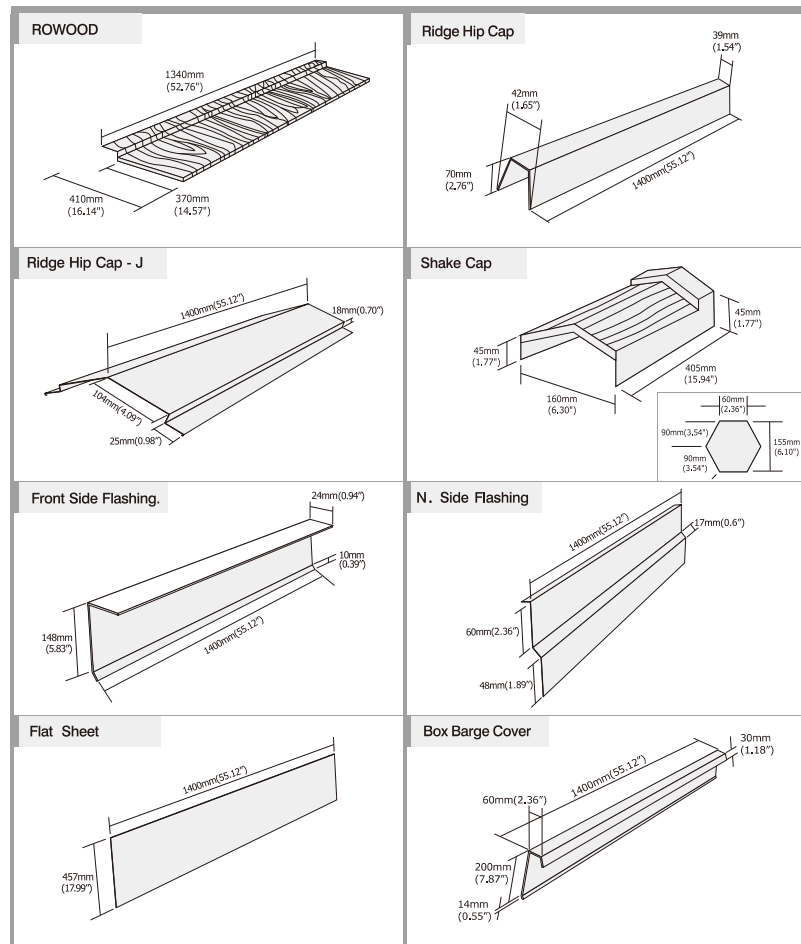
- ROWOOD Tile - 400 tiles per pallet with weight about 1,200kg
- PALLET DIMENSION - Wooden Pallet dimension of 1,380mm×1,080mm
- EXPORT STANDARD - 14 pallets (5,600 ROWOOD tiles) with sufficient ROWOOD accessories can be packed into a standard 20ft(6,10m) container.
- HANDLING & STORAGE - If stored outside, 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

Stone Coated Steel Roof [www.ROSER.com](http://www.ROSER.com)

## Stone Coated Steel Roof

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

ROSER SHAKE  
**Rowood**<sup>®</sup>



**ROSER CO.,LTD.**  
**ROSER ROOFING SYSTEM**  
 Stone Coated Steel Roof [www.ROSER.com](http://www.ROSER.com)

VERSION:RSBCCCE-04

The above logos and names are registered trademarks of Roser Co.,Ltd. © 2007 Roser Co.,Ltd.



### HEAD OFFICE / FACTORY

400, Nae-Ri, Apayang-Myeon,  
 Gyeongnan-si, Gyeongsangbuk-do, KOREA  
 Tel:+82-53-817-5000 Fax:+82-53-817-5454  
[Roser@roser.com](mailto:Roser@roser.com)

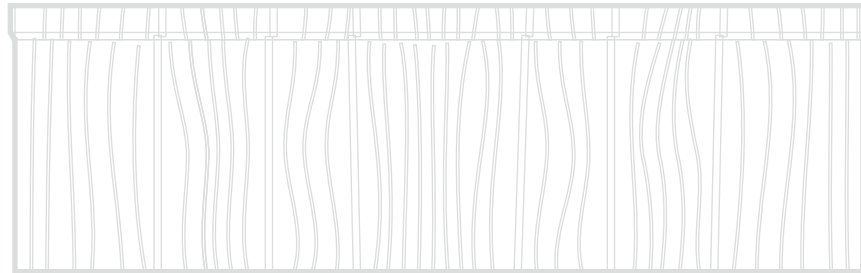
### SEOUL MARKETING OFFICE

One Bldg.12F, 648-26, Yeoksam-Dong,  
 Kangnam-Gu, Seoul, Korea.  
 Tel:+82-2-566-7663 Fax: +82-2-563-7663  
[Marketing@roser.com](mailto:Marketing@roser.com)



# ROSER SHAKE ROWOOD®

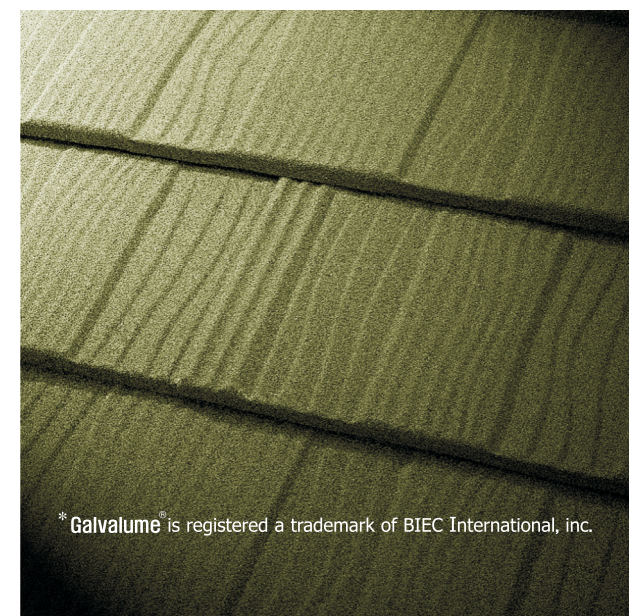
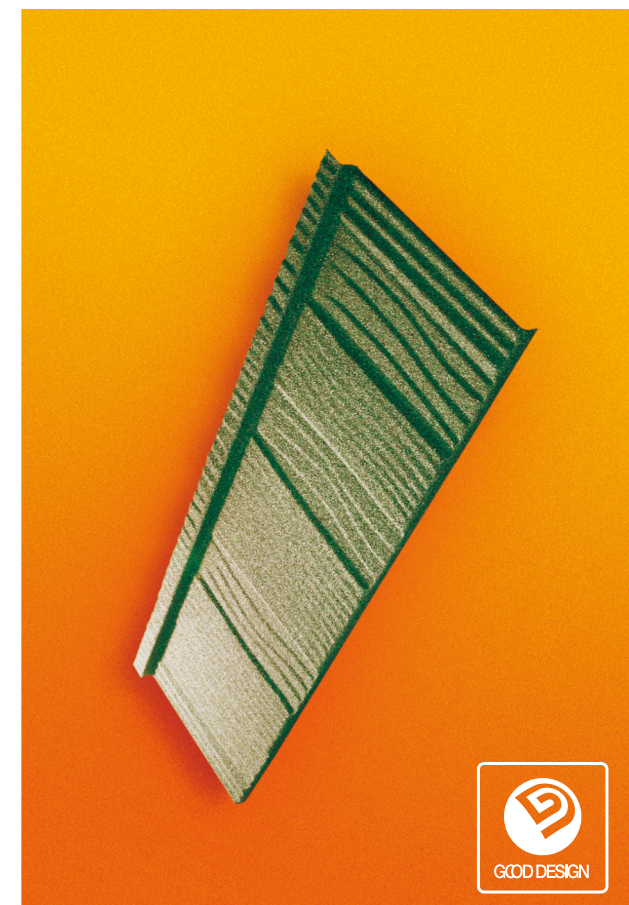
*Better Roof! Better Home!  
Strong against nature!*



## ROWOOD Tile

<b>Overall Length</b>	1340mm (52.67")
<b>Length of Cover</b>	1280mm (50.39")
<b>Width of Cover</b>	370mm (14.17")
<b>Roof Cover/Tile</b>	0.4736m <sup>2</sup> (5.09 ft <sup>2</sup> )
<b>Coverage</b>	2.11 tile/m <sup>2</sup>
<b>Weight</b>	3.0kg (6.61pd)

**ROWOOD** 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. ROWOOD is designed and manufactured to withstand all kinds of severe weather such as extremely hot and cold weather, strong wind, and heavy rain. ROWOOD 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. ROWOOD is a product that can enhance the style of any home or commercial building, and give it a lasting beautiful look.

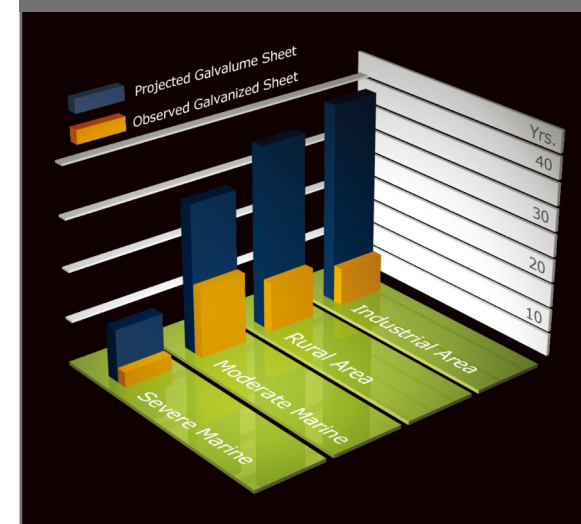


\*Galvalume® is registered a trademark of BIEC International, inc.



- **LIGHTWEIGHT**  
About 1/6 weight of traditional clay or concrete tile
- **WIDE COLOR CHOICE**  
10 fashionable colors
- **EXCELLENT DESIGN**  
Natural look of Shake (Authentic Wood-Grain)
- **EASY REROOFING**  
Can be easily installed over an existing roof
- **SUPERIOR LONGEVITY**  
The core strength is Galvalume® steel (Al-Zn Alloy). On both sides of this core strength, additional coating systems applied respectively for enhanced durability.
- **FIRE RESISTANT** (Tested in U.S.A, Japan, & Korea)
- **EXCELLENT WEATHER PROTECTION**  
Resist heavy snowfall, hail, hurricane force wind, and heavy rain
- **EASY INSTALLATION**  
Can be easily cut, bent, and shaped
- **MANUFACTURED TO INTERNATIONAL STANDARDS.**  
ISO 9001 certified, KS mark acquired, UL classified, and BBA acquired.

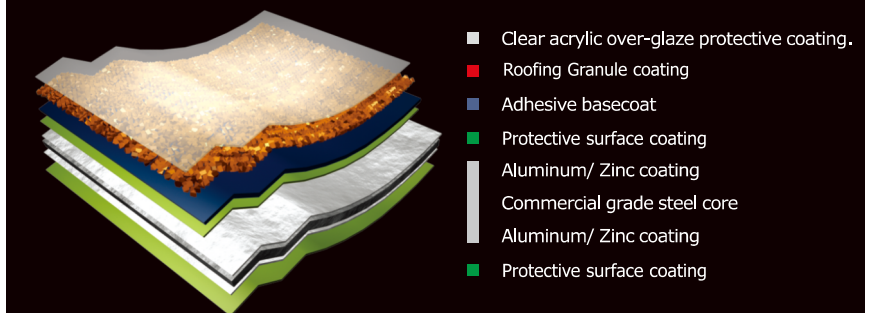
### Columned diagram :



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.

### 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".

