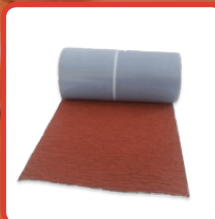


**MONIER**

# Roofing System Components

Improving the functional performance of your roof



Part of **BMI**

[www.bmigroup.com/in](http://www.bmigroup.com/in)

# About BMI MONIER

BMI India is part of BMI Group, the largest roofing and waterproofing company in Europe, with a significant presence in Asia and Africa. We bring together some of the biggest and most trusted names in the industry such as BMI Monier. Monier Roofing India is the leading manufacturer of pitched roofing systems in India, and was established in India in 1997. We offer a range of concrete roof tiles, glazed and matt finished imported clay roof tiles, fittings and roof components; specifically designed for the Indian roof market. With state-of-the-art manufacturing facilities in Bangalore and Nashik, some of its leading products manufactured in India have changed the architectural landscape of India over the years. We deliver innovative roofing systems designed to transform the way people live and work. Providing shelter, protection and peace of mind for architects, roofers, building and homeowners alike. Our dedicated experts assist with design and project solutions, technical advice and product information for both residential and non-residential projects.

## WORLD - CLASS ROOF COMPONENTS

In order to complement and enhance the performance of its tiles, Monier offers an exclusive range of roof components. These components improve the performance of your roof in terms of aesthetics, water-tightness and heat reduction. Moreover, they enable the roofs to remain trouble free for years to come.

## UNDERLAYS

Roof underlays are a smart choice for heat reflection and waterproofing. They help reduce indoor temperatures, improve energy efficiency, and protect against water leaks. Durable and effective, they ensure your roof stays strong and your home stays comfortable.

### 1) VELTISUN RadenShield™



**Product Features:** • Dual benefit of 100% water-tightness and thermal insulation • Highly tear resistant • Easy-to-install

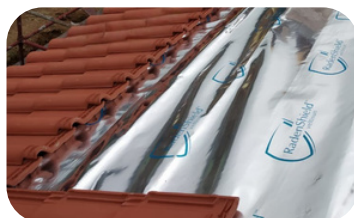
**Technical Details:** • Structure of five layer material: (a) Aluminium foil for heat reflection (b) Nail sealing layer for complete water-tightness (c) Poly propylene spunbond layer for better strength • Total thickness 550 um +/- 10 um (um=micron)

### 2) RADIANT BARRIER



**Product Features:** • Reflects 97% heat radiation and maintains lower temperature beneath the roof • Highly tear resistant • Works as a secondary waterproofing layer below the tiles

**Technical Details:** • Heat & UV reflecting underlay • Aluminium coated Poly Ethylene (PE) woven fabric • Top surface is coated with pure aluminium • Available roll size: 1.25 m x 48 m covering 60 sq m



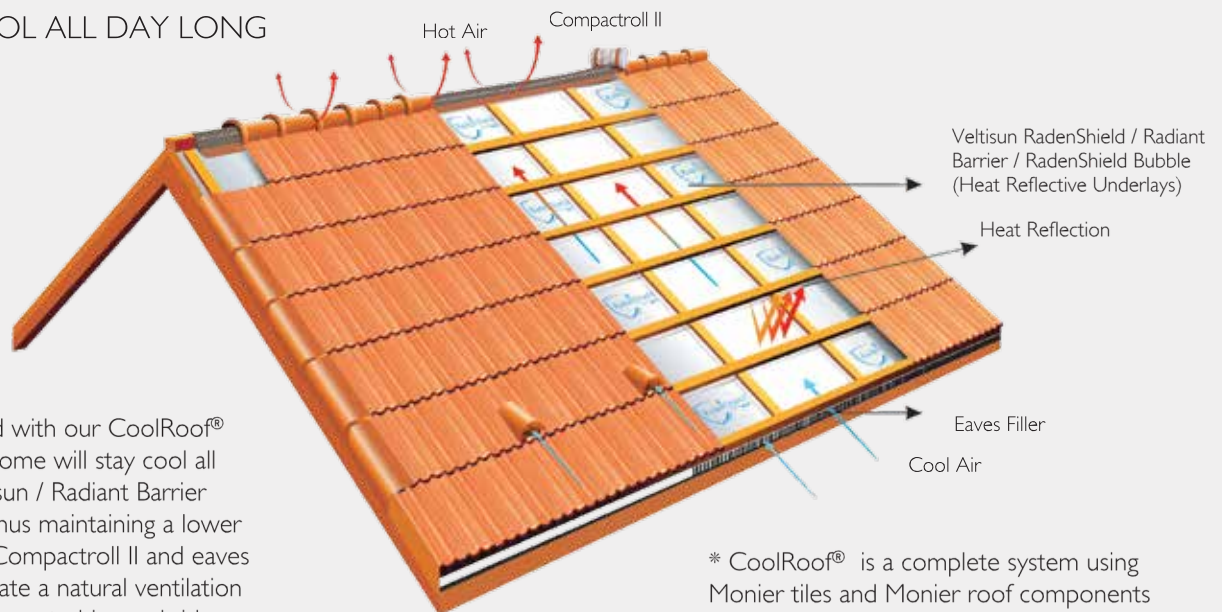
Underlays

## SYSTEM THAT SAVES POWER AND PROTECTS THE ENVIRONMENT

Recent studies show that using Radiant Barrier / Veltisun (with other Monier fittings and components) reduces the room temperature by up to 10 degrees and helps you save on your air conditioning cost.

### COOLROOF®

STAY COOL ALL DAY LONG



When installed with our CoolRoof® system, your home will stay cool all day long. Veltisun / Radiant Barrier reflects heat, thus maintaining a lower temperature. Compactroll II and eaves filler comb create a natural ventilation stream from eaves to hips and ridges, removing the hot air trapped beneath the roof tiles.

\* CoolRoof® is a complete system using Monier tiles and Monier roof components

## RIDGE & HIP SOLUTIONS

Monier Ridge & Hip solutions are aimed at mortar free installation of roofing systems. Traditional wet fixing using cement mortar is susceptible to climate cycles resulting in eventual wear off of mortar blocks and results in leakages. Furthermore, Monier's solutions eliminate water absorption at the ridge and hip lines avoiding moisture which facilitates algae growth.

### 3) COMPACTROLL PLUS



**Product Features:**

- Provides ample ventilation, hot air exhaust and water-tightness at ridges and hips
- Increases aesthetics by avoiding the usage of mortar at the ridges and hips
- Easy-to-lay
- Compatible with CoolRoof

**Technical Details:**

- High performance butyl adhesive
- Highly durable and UV resistant
- Ventilation holes covered with fleece to prevent water entry
- Crep - Tech technology to improve stretchability
- Compatible with all roof tiles
- Available roll size: 10 m x 29.5 cm



### 4) TOP FLEX II



**Product Features:**

- Stretchable corrugated surface and special adhesive for matching profiled roofing materials
- UV resistant, thus improved product life
- Highly flame resistant
- 100% cement mortar free installation
- Compatible with all roof tiles

**Technical Details:**

- Available roll sizes: 5 m x 25 cm
- Butyl adhesive for strong and lasting installation
- Stretchability up to 50%





Algae formation on cement mortar

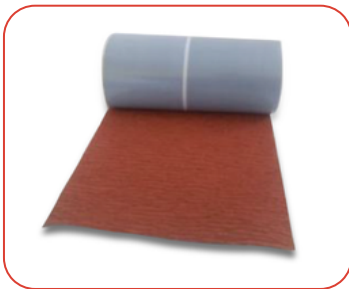


Algae preventive dry fixing

## ABUTMENT SOLUTIONS

Monier offers a wide range of abutment flashing solutions for a water-tight and trouble-free roof. Monier recommends these products for areas where the tiles come in close proximity to walls, chimneys or other planar intersections.

### 5) EASY FLASH



**Product Features:** • Value for money abutment flashing solution  
• Ensures water-tightness at abutments • Universal application on both clay and concrete roof tiles • UV resistant finish

**Technical Details:** • Coated aluminium, PET foil, PET fleece with full width high performance butyl adhesive on reverse side • Stretch ability up to 60% in roll direction • Temperature resistance up to 90°C  
• Available roll size: 25 cm x 5 m



### 6) CAMEL FLASH II



**Product Features:** • Economic abutment flashing solution • Universal application on clay and concrete tiles • Water-tight and extreme weather resistant • Flexible and stretchable • Self bonding on dry, dust and dirt-free surfaces • Durable UV resistant finish

**Technical Details:** • Aluminium composite surface with butyl adhesive  
• Stretch ability up to 50% in roll direction • Available roll size: 5 m x 28 cm



Abutment Solutions

## RAINWATER GUTTER SYSTEM

Monier's modular uPVC rainwater gutter system efficiently helps in channelizing rainwater from the roof. Our system seamlessly integrates with any structure, ensuring protection and longevity.



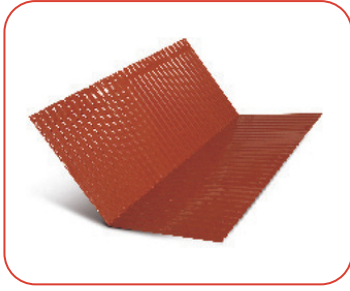
### 7) LUXRON™

**Product Features:** • Modular in nature • Superior quality design made high quality uPVC • Available with complete range of fittings and accessories • Available in attractive colours

**Advantages:** • Enhanced water flow management • Aesthetic appeal  
• Long service life • Weather resilience • Corrosion resistance



## OTHER SOLUTIONS



### 8) VALLEY SHEET

**Product Features:** • Easy-to-install • Ribbed to prevent water back-flow  
• Prevents water leakage at valley regions • Pre-fabricated bending lines (3 in nos) for easy onsite foldings

**Technical Details:** • High quality aluminium bent valleys  
• Can be folded on-site matching the roof angles without any tools  
• Available size 1.2 m x 36 cm



### 9) TRANSLUCENT TILE

**Product Features:** • Light transmissibility of 90-95% • Energy saving (1 No. of Translucent Tile is equivalent to 1 No. of 75W bulb)  
• Perfect integration on the roof with the tiles • Ensures complete water-tightness • Available in Elabana and Plano profiles.

**Technical Details:** • Made of very strong Poly Methyl Meta Acrylate (PMMA)  
• High UV resistance, preventing whitening • Comes with a set of screws and tile clips for installation • Temperature resistance up to 80°C



Valley Sheet



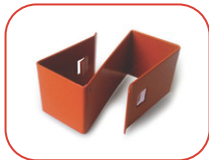
Translucent Tile

## FIXING ACCESSORIES



### 10) TILE CLIP

Roof tile clips are used for securing the roof tiles at the valley areas in general and for all tiles on roofs in windy areas (eg: sea sides, high rise buildings, top of hills, etc).



### 11) RIDGE CLIP

Holds ridge tiles together during dry fixing of ridge tile on ridge & hip lines of roofs.



### 12) EAVES FILLER COMB

Prevents insect intrusion from the eaves, while maintaining proper air ventilation.



### 13) RIDGE TREE

Ridge tree provides support to ridge runner over which compact roll is laid on the ridges and the hips.

## Problem - RSC Solution Matrix

Solution for	Underlays		Abutment Solutions		Ridge & Hip Solutions		Other Solutions			
	Radiant Barrier	Veltisun	Easy Flash	Camel Flash II	Compactroll Plus	Top Flex	Eaves Comb	Valley Sheet	Top Light	Gutter System
Water-tightness	✓	✓	✓	✓	✓	✓		✓		
Algae Growth Prevention			✓	✓	✓	✓				
Hear Reduction & Ventilation	✓	✓			✓		✓			
Rodent Intrusion Prevention							✓			
Natural Lighting									✓	
Rainwater Management								✓		✓
Aesthetics			✓	✓	✓	✓				✓

## Range of Roofing Tiles from Monier

### Mineral Tiles



Elabana



Plano



Romana Light



Perspective

### Imported Clay Tiles



Coppo Domus



Plana



Roman 12



Flexa



Toscana



Collado

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