

**BUILDING**

# METAL ROOF VENT

Ventilation & thermal break



**Enka<sup>®</sup>**  
Technology

**Roofs can be one of the least energy-efficient components of the building envelope. 20% of electric energy use can be due, in warm months, to heat transfer from the roof to living areas below. Elevating the roof cover from the roof deck to promote above-sheathing ventilation is an effective solution to reducing heat gain in the attic. Combined with cool metal roofing panels Enkamat<sup>®</sup> ASV can reduce heat gain through the roof by 50% compared to a nailed asphalt shingle roof and with the added benefit of providing sound control from external sources such as rainfall.**

### **Stretch the lifespan of your roof with ventilation and drainage**

Metal roofing is inherently long-lived. Yet including Enkamat ASV can make it even more so by promoting free-flowing, multi-directional ventilation and drainage, reducing the likelihood of moisture-caused, roof-compromising problems such as ice damming, mold, mildew, corrosion and rot in contrast to laying metal panels directly on the substrate or on furring strips creating channels that limit air and water flow to one direction.

### **Patented Above-Sheathing Ventilation combats wasteful airspace**

With its unique, 95% open structure, Enkamat ASV creates an unbroken airspace, a highly effective thermal break between the metal roofing panels and sheathing yielding significant energy-related benefits. Using Enkamat ASV lowers rooftop

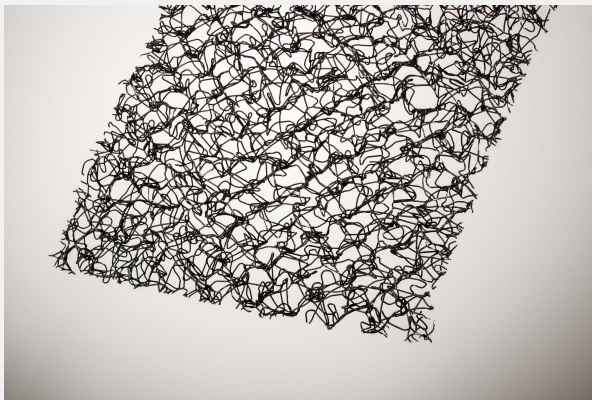
temperatures in warmer climates which in turn lower lifetime building cooling costs and reduces heat emitting into the surrounding air (the heat island effect). In colder climates the ventilation prevents moisture building up into ice dams.

### Faster fastening

By supporting roof panels at all points from edge to edge, Enkamat ASV eliminates the time-consuming task of precisely placing each fastener to align with underlying, unseen furring strips. This speeds and eases installation, while creating a walkable, damage-resistant roof.

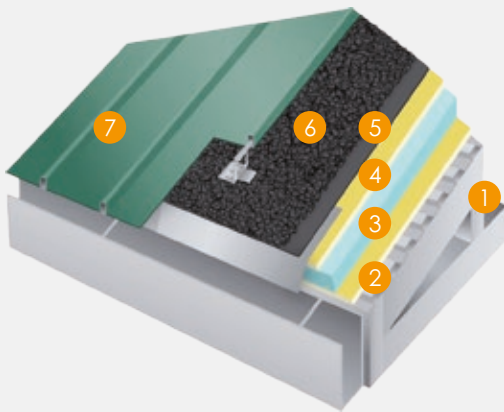
### The right properties and easy installation

- Class A Fire Rating ASTM E84
- Recommended for use with Structural Insulated Panels (SIP)
- Suitable for steep slope applications
- Ideal for vertical (metal wall/sheathing) applications
- Lightweight, flexible conformable rolls
- Easy to cut with scissors or knife
- Protects weather barrier membrane during panel installation
- Acts as a slip sheet, allowing easy panel positioning
- Quickly and securely attaches with common fasteners
- Reduces rainfall noise up to 50%



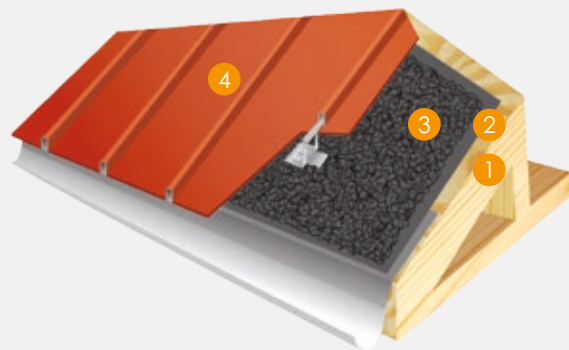
Enkamat® ASV

Fastening detail



#### Metal deck with Enkamat ASV

- |                      |                      |
|----------------------|----------------------|
| 1 Roof deck          | 4 Exterior sheathing |
| 2 Exterior sheathing | 5 Weather barrier    |
| 3 Insulation board   | 6 Enkamat ASV        |
|                      | 7 Metal roof panels  |



#### Wood deck with Enkamat ASV

- |                            |                     |
|----------------------------|---------------------|
| 1 Roof deck                | 3 Enkamat ASV       |
| 2 Weather barrier membrane | 4 Metal roof panels |

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