



# Technical Data Sheet

## BC HMP

### Modified Copolymer Hot-Melt Adhesive Pellets

#### 1). Description

BC HMP is a high-performance, modified ethyl-vinyl-acetate (EVA) copolymer hot-melt adhesive supplied in pellet form.

It is designed to create a strong bond between spray-applied waterproofing membranes and asphalt overlays.

BC HMP expands upon contact with hot asphalt, forming a mechanical key that enhances adhesion, shear strength, and long-term performance.

Suitable for hot and tropical climates.

#### 2). Uses

BC HMP is used for broadcasting onto wet tack coats such as:

- BC Polyurea spray-applied waterproofing membranes
- BC epoxy or hybrid mastic primers

Typical Applications:

- Bridge deck waterproofing systems
- Road and infrastructure work
- Asphalt overlays on concrete or steel decks
- Mastic asphalt bonding
- Stone mastic asphalt and asphalt concrete layers

#### 3). Features & Advantages

- Provides excellent bonding between membrane and asphalt
- Expands under heat to create strong mechanical interlock
- High shear strength and durability
- Resistant to water, bitumen, and de-icing salts
- Suitable for high-temperature asphalt placement



## 4). Technical Data

Property	Value	Test Standard
Composition	Modified EVA Copolymer	—
Appearance	Pellets	—
Density (bulk)	~20 kg/L	EN ISO 2811-1
Chemical Resistance	Resistant to water, bitumen, de-icing salts	—
Consumption	~0.70 kg/m <sup>2</sup>	—
Asphalt Application Temperature – Concrete Deck	≥ +140°C	—
Asphalt Application Temperature – Steel Deck	≥ +160°C	—
Application Method	Manual broadcast / low-pressure spreader / mechanical pellet kart	—
Service Temperature	Hot-melt expansion under asphalt	—

## 5). Application Instructions

### Surface Condition

Follow the tack coat product data sheet for substrate requirements.

### Application

Broadcast BC HMP pellets uniformly onto wet tack coat, using one of the following:

- By hand
- Low-pressure pellet blower
- Mechanical pellet distribution kart

Pellets will expand and fuse into the hot asphalt applied above.



### Important Considerations

- Do not apply pellets after tack coat pot life is exceeded.
- Ensure asphalt temperature is within required limits:
  - Concrete deck:  $\geq 140^{\circ}\text{C}$
  - Steel deck:  $\geq 160^{\circ}\text{C}$

### 6). Packaging

20 kg bag

### 7). Shelf Life

24 months in unopened original packaging under proper storage.

### 8). Storage Conditions

- Store in dry conditions at  $+5^{\circ}\text{C}$  to  $+30^{\circ}\text{C}$
- Keep bags tightly closed
- Protect from moisture

### 9). Health & Safety

- Wear gloves and eye protection during handling.
- Avoid direct contact with hot asphalt.
- Refer to SDS for full safety instructions.

#### DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

