



## Material Safety Data Sheet (MSDS)

**Product:** APP Bitumen Waterproofing Membrane Roll Sheet

**Use:** Waterproofing in construction (roofing, foundations, terraces)

### SECTION 1 — PRODUCT IDENTIFICATION

**Product Name:** APP Bitumen Waterproofing Membrane

**Other Names:** Atactic Polypropylene Modified Bitumen Sheet

**Recommended Uses:** Building waterproofing, roofing protection

### SECTION 2 — HAZARD IDENTIFICATION

**Classification:** Not classified as hazardous under normal use conditions  
However, *when heated* may pose health hazards and safety risks.

#### Hazard Statements:

- May cause thermal burns on contact with hot material.
- Fumes from heating may cause respiratory irritation.
- Contact may cause mild skin or eye irritation.

#### Precautionary Statements:

- Avoid breathing fumes during installation.
- Use in well-ventilated areas.
- Wear protective gloves, eye protection and long-sleeved clothing.

### SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Typical composition of APP bitumen membranes includes:

- **Bitumen (CAS 8052-42-4):** Main waterproofing component.
- **Atactic Polypropylene (APP, CAS 9003-07-0):** Polymer modifier.
- **Fillers and Reinforcements:** Minerals, polyester or glass fiber.
- **Surface coatings:** Sand, mineral granules, foil—product dependent.



## SECTION 4 — FIRST AID MEASURES

### **Inhalation:**

Move to fresh air; seek medical attention if symptoms persist.

### **Skin Contact:**

If solid-cold, wash with soap and water. If contact with *hot* material, cool then seek medical help — do not remove material adhered to skin.

### **Eye Contact:**

Flush with water for at least 15 minutes; seek medical attention if irritation continues.

### **Ingestion:**

Not a likely route; rinse mouth and seek medical advice if discomfort occurs.

## SECTION 5 — FIREFIGHTING MEASURES

### **Suitable Extinguishing Media:**

Foam, dry chemical, CO<sub>2</sub> or water spray.

### **Hazardous Combustion Products:**

Smoke, carbon monoxide, carbon dioxide.

### **Special Precautions:**

Cool containers exposed to fire with water. Wear full protective equipment.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

If rolls are damaged, collect pieces and material after cooling. Prevent entry into drains. Dispose of according to local regulations.

## SECTION 7 — HANDLING AND STORAGE

### **Handling:**

Avoid contact with hot bitumen and fumes. Use proper PPE and ventilation.

**Storage:**

Store rolls in a cool, dry area away from direct heat and ignition sources. Stack vertically where possible.

## SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:**

Use local exhaust ventilation during heating.

**Personal Protective Equipment (PPE):**

- Gloves (heat resistant)
- Safety goggles
- Long-sleeved clothing
- Respiratory protection if ventilation is inadequate

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Flexible black roll sheet with surface finish (sand/granules/foil).

**Odor:** Slight petroleum/bitumen odor.

**Melting/Softening Range:** ~80–180 °C (varies by grade).

**Flash Point:** Elevated — relevant mainly for molten bitumen.

## SECTION 10 — STABILITY AND REACTIVITY

Stable under normal conditions. Avoid strong oxidizing agents and open flames. Thermal decomposition produces irritating fumes.

## SECTION 11 — TOXICOLOGICAL INFORMATION

Not classified as a hazardous chemical — typical effects relate to **heat exposure**. Heated fumes may irritate lungs, and molten bitumen can cause burns.



## SECTION 12 — ECOLOGICAL INFORMATION

Bitumen membranes are not readily biodegradable. Avoid release into water systems.

## SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose in accordance with local regulations for construction waste. Do not dump into waterways.

## SECTION 14 — TRANSPORT INFORMATION

Non-hazardous for transport when at ambient temperature.

## SECTION 15 — REGULATORY INFORMATION

Not classified as a hazardous substance under EU REACH as “article.” Voluntary SDS may be provided.

## SECTION 16 — OTHER INFORMATION

The information above is typical for APP bitumen waterproof membranes and should be refined with **manufacturer-specific data**, including exact composition, CAS numbers, and local requirements.