



## **PRIMA PLAST PV**

### **Torch-Applied, APP Modified Bituminous Cap Sheets**

#### **Introduction**

**PRIMA PLAST PV** is a polyester reinforced, slate covered torch-on cap sheet, saturated and coated with high quality APP (Atactic Polypropylene) modified bitumen. The membrane carrier is a tough polyester reinforcement, giving the material excellent dimensional stability and very high mechanical strength. The upper layer is coated with coarse-grained slate, protecting the membrane from ultraviolet exposure and the lower layer is finished with a thermofusible film for fast and consistent torch-on application.

#### **Product Description**

**PRIMA PLAST PV** is a high performance polyester based waterproofing material designed to suit requirements of both new build and remedial roofing applications. They can be applied to suitable torch-on underlays as a cap sheet in built-up waterproofing systems or can be used as part of overlay systems to existing asphalt or bituminous waterproofing. The product is not recommended for use as single layer waterproofing.

#### **Product Features**

- Excellent flow resistance at elevated temperature 130°C
- Unique snowflake printed thermofusible film to guide accurate and consistent torch-on application
- High resistance to foot marking
- High puncture resistance
- APP polymer modified bitumen formulated to ensure high performance

#### **Application**

**PRIMA PLAST PV** should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice, including BS 8217: 2005 – the code of practice for reinforced bitumen membranes for roofing.

Roofing contractors should also be fully conversant with the guidelines set out in the National Federation of Roofing Contractors (NFRC) 'Safe2Torch' campaign. All operatives using torch guns or hot air guns during installation should be competent, conversant and capable of using such items in a safe and responsible manner. Care must also be taken when using torches and hot air guns in close proximity to combustible materials, decorative coatings and heat sensitive materials.

**PRIMA PLAST PV** must be bonded to the previously installed base layer/underlay by using the torch-on application method. Substrates must be clear of any debris or sharp projections, and primers should be used as necessary to prepare the surface for achieving most effective waterproofing longevity (please consult TECHNONICOL Technical Services for details).

**PRIMA PLAST PV** should be heated carefully, ensuring that the dispersible film completely melts as work proceeds and maintaining 5 mm bead extrusion from all laps. Side laps must follow the manufactured mineral free pilot selvedge with end laps at minimum of 10 cm. The cap sheet should be offset 30 cm from the underlay to avoid build up of overlaps.

#### **Chemical Resistance**

**PRIMA PLAST PV** is water-resistant and is resistant to watery solutions of salt, diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons, as well as chlorine hydrocarbons, oils and greases may loosen the product and should therefore be avoided.

#### **Harmonised Standard**

EN 13707:2004 + A2:2009

## Storage

Store in a cool, dry place and protect from direct sunlight.

## Health and Safety

Health and Safety should be observed at all times in accordance with HSE and industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations. Health and safety data sheets are available for all materials on request from TECHNOMICOL Technical Service Department.

## Availability

| Product Name          | Colour | Product Code | Roll Dimensions (m) | Weight (kg/m <sup>2</sup> ) |
|-----------------------|--------|--------------|---------------------|-----------------------------|
| PRIMA PLAST PV 5.0 kg | Grey   | TN441347     | 8 x 1               | 5.0 (± 0.2)                 |

## Performance and Key Properties

| Properties                                | Test Method |        | Declared Performance            |
|---|-------------|--------|---------------------------------|
| Length                                    | -           | m      | 8.0                             |
| Width                                     | -           | m      | 1.00                            |
| Reinforcement type and weight             |             |        | Polyester, 160 g/m <sup>2</sup> |
| Tensile properties: maximum tensile force | EN 12311-1  | N/50mm | 600/400 (± 150)                 |
| Tensile properties: elongation            | EN 12311-1  | %      | 30/30 (± 10)                    |
| Resistance to tearing (nail)              | EN 12310-1  | N      | 180/180 (± 50)                  |
| Flow resistance at elevated temperatures  | EN 1110     | ° C    | ≥ + 130                         |
| Flexibility at low temperatures           | EN 1109     | ° C    | ≤ - 20                          |
| Watertightness                            | EN 1928     | kPa    | 200                             |
| Water vapour transmission properties      | EN 1931     | -      | μ=20 000                        |
| Reaction to fire                          | EN 13501-1  | -      | Class E                         |

## Quality Assurance

PRIMA PLAST PV is manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.