

## Paratene

Product Ref: (DsB28-0416)  
Issue No: 02



### PRODUCT DESCRIPTION

Paratene is a self-adhesive bituminous waterproofing membrane that forms a total barrier against vapour and gases. It consists of a self-adhesive bituminous compound, reinforced with glass fibre and self-protected with an aluminium film making it highly resistant to damage in normal site conditions.

- Waterproof & Self-adhesive
- Cold applied without use of flame
- Vapour, Radon and Methane Gas Barrier
- Reinforced with glass fibre
- Protected with reinforced aluminium film
- Excellent puncture resistance and tensile strength
- Polyester surface accepts most polyurethane adhesives



### ADVANTAGES

- Quick installation
- Installation does not require skilled personnel
- Elimination of risks deriving from the use of naked flames
- Unaffected by environmental pollution and ozone
- Compatible with other waterproofing systems

### USES

- For use in mechanically fastened and adhered roofing systems
- Vapour barrier for composite multilayer roofing and waterproofing
- Carrier membrane for Paracoat and Paraquartz liquid waterproofing systems

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### SURFACE PREPARATION AND INSTALLATION

All surfaces on which Paratene membranes have to be installed must be dry, clean, smooth and free of impurities. If the surface is porous, apply a coat of **Langley Spray-on Primer** as per instructions.

The use of primer where application is to new, clean and oil free metal is generally not required however, when application is undertaken in low temperatures (around +5°C but not below) **Langley Spray-on Primer** is required.

Start laying rolls from the lowest point and work upwards. Avoid creating laps against the fall.

Side laps. minimum 60mm; End laps. minimum 150mm.

After installation, press the membrane well. Do not trap air pockets around details such as corners, edges, penetrations and overlaps.

### TECHNICAL DATA

Characteristics	Value	Test
Thickness	0.6mm	EN 1849-1
Tensile Strength	Long.>850 N/50mm   Trans.>850 N/50mm	EN 12311-1
Elongation at Break	Long.>8,5%   Trans.>8,5%	EN12311-1
Static Load Resistance	Met.A15Kg   Met.B20Kg	EN12730
Tear Resistance	Long.70N   Trans.70N	EN12310-1
Peel Resistance of Joints	35N / 50mm	EN12316-1
Impermeability	> 60 Kpa	EN1928
Vapour Transmission Rate	Sd > 1500m	EN1931
Radon Transmission Rate	0.47 x 10 <sup>-9</sup> m/s	SP Swedish Nat. Testing & Research Institute
Permeability to Radon Gas	0.56 x 10 <sup>-12</sup> m <sup>2</sup> /s	SP Swedish Nat. Testing & Research Institute
Permeability to Methane Gas	< 5 cc/m <sup>2</sup> x 24h x atm	CSI Method
Application Temperature	+5 °C / +45 °C	-
Service Temperature	-40 °C / +80 °C	-

### IMPORTANT NOTES

**Usage:** Ensure temperature and surfaces are within the application temperature guidelines (see above)

**Storage:** The quality and the characteristics of materials remain unaltered for a very long time. It is however best to use the product within 12 months. For correct storage, a dry, covered place is best at a temperature between +10 °C and +40 °C.

**Traffic:** Paratene is not suitable for withstanding pedestrian and vehicle traffic.

**Caution and Safety:** The material is not hazardous for normal uses and when used by skilled persons. In particular conditions, it is possible to cut or injure oneself, wear protective gloves when working, keep out of reach of children.

For further information refer to the Health and Safety Data Sheet.

**Classification for Transport:** Not Applicable.

**Inflammability classification:** B2 (DIN 4102).

**Reaction to Fire:** E (EN 11925 - 2; EN 13501 -1)

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### DIMENSIONS AND PACKAGING

Rolls: 40m x 1m, thickness 0.6mm

25 rolls per pallet

The rolls are packed individually in cardboard boxes and placed on pallets.

***N.B. The figures shown on this product document can vary within a tolerance of +/-5%. We reserve the right to change product characteristics at any time without prior notice.***

This document is only a guide.

Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.