

## Paradiene M3S

Product Ref: (DsB36-0418)  
Issue No: 01



### REINFORCED SBS ELASTOMERIC BITUMEN ROOFING MEMBRANE

#### DESCRIPTION

Paradiene M3S is a polyester reinforced SBS-modified elastomeric bitumen membrane for use in torch-applied built-up roof waterproofing systems.

#### USE

Paradiene M3S is a waterproofing membrane intended for use as a fully bonded underlay in built-up roof waterproofing systems on all roof decks and all roof slopes.

#### COMPOSITION

Main surface:	Sanded
Blend:	Fillerized SBS (Styrene-Butadiene-Styrene) elastomeric bitumen
Reinforcement:	180 g/m <sup>2</sup> non-woven polyester
Bottom face:	Thermo-fusible film

#### DIMENSIONAL CHARACTERISTICS

	Nominal value	Critical value
Thickness on the longitudinal selvedge (mm)	N/A	N/A
Thickness on the main surface (mm)	3.0	2.9
Longitudinal selvedge width (mm)	N/A	N/A
Weight / m <sup>2</sup> (kg/m <sup>2</sup> )	3.6	3.42
Weight / roll (kg)	36	34.2
Roll length and width (m)	10 x 1	9.9 x 0.99

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### PERFORMANCES

Kind of Test	Reference Norm	Units	Nominal values	Critical values
Tensile strength at max	EN 12 311-1	N/50mm	950 x 650	820 x 560
Elongation at max	EN 12 311-1	%	40 x 49	35 x 42
Nail tearing resistance	EN 12 310-1	N	200 x 220	200 x 220
Cold temperature flexibility	EN 1109	°C	≤-20	≤ - 15
Heat flow test	EN 1110	°C	≥ 100	≥ 100
Dimensional stability	EN 1107-1	%	≤-0.5	-
Static puncture resistance	EN 12730	kg	20	-
Impact resistance	EN 12691	mm	1250	-

### PACKAGING

Rolls quantity per truck pallet : 27  
Rolls quantity per container pallet : 27  
Rolls quantity per wooden box : 25

### APPLICATION

Application is in accordance with BS 8217: 2005 and BS 8000: Part 4: 1989, using the torch-on method.

The method of attachment depends on the substrate. On timber boarding, a layer of **Langley HT 180** should first be fixed by nailing. **Paradiene M3S** is then fully bonded by torching.

Contact Langley Waterproofing Systems Limited for detailed specifications and fixing instructions.

### PRODUCT IDENTIFICATION

- Values:** Where two values for given characteristics are shown, the first is for longitudinal direction and the second is for the cross direction.
- Tolerances:** The average values derived from standard tests and are subject to the usual production variations. The indicated average values comply with the UEAtc standard and EN 13707. The nominal value tolerances comply with the UEAtc standards. Some slight variations can occur as the values are based on the average values obtained from several plants.
- Modification(s):** Langley Waterproofing Systems Limited reserves the right to modify its composition as a result of technological and experimental improvements. This product data sheet supersedes the previous edition, to obtain the up to date technical data sheet, please contact our technical department.
- Complementary information:** This document is only a product technical data sheet, regarding each waterproofing design, please consult the appropriate specification and in case of any doubt contact our technical department.

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### STORAGE

Paradiene M3S is packaged in rolls set up vertically on a pallet or wooden box. It must be stored vertically under shelter, away from heat sources.

### SAFETY

This product is not classed as hazardous.

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.