

## Technical Data Sheet Paralon Antiroot

### Product Description / Use:

Paralon Antiroot is an APP and SBS modified bitumen polymer waterproofing membrane manufactured using special chemical additives intended for waterproofing green roofs.

The Paralon range of waterproofing membranes, may be used in new build and refurbishment green roof applications and is suitable for applications in low temperature conditions. Paralon remains flexible at low temperatures and exhibits high resistance to thermal & mechanical stress.

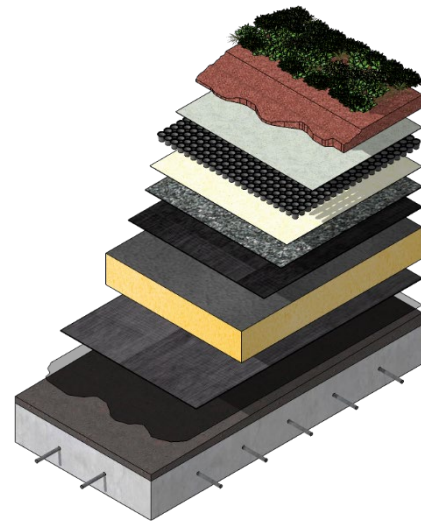
Paralon Antiroot is manufactured with a sanded upper surface. The lower face is coated with Termotene® fusible film which aids unrolling and facilitates torch bonding to various substrates.

Non-granulated cap sheets must not be left exposed to UV any longer than 4 weeks.

The membranes performance is obtained by coextrusion of the PARALLOY® compound which combines the best characteristics of SBS and APP compounds, using suitable additives with special chemical substances (fatty acids, phenoxide, esterified) that give the product a long-lasting anti-root effect, and a reinforcing mat of “non-woven fabric” made with continuous polyester thread.

The Paralon Antiroot bitumen compound’s special formulation ensures high mechanical performance, cold flexibility at temperatures down to -20°C and excellent fatigue strength.

Paralon membranes contain no asbestos, tar or other dangerous substances.



### Certification:



### System Fire Testing:

Classification Standard BS EN 13501-5: 2016  
Test Standard: CEN/TS 1187:2012



Determination of external fire performance is a system test which will be influenced by the components within the roofing system.

Whilst Paralon Antiroot can be included in compliant B<sub>ROOF (t4)</sub> systems, always check with MOY Technical Services for the very latest information on fire testing carried out.



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### Technical Specification:

| Specifications                            | EN Standards | Unit of Measure   | Tolerances <sup>(2)</sup> | Paralon Antiroot   |
|---|--------------|-------------------|---------------------------|--------------------|
| Roll dimensions                           | 1848-1       | m                 | ≥                         | 8 x 1 (-1%)        |
| Thickness                                 | 1849-1       | mm                | ±5%                       | 4                  |
| Mass per unit area                        | 1849-1       | kg/m <sup>2</sup> | ±10%                      | -                  |
| Watertightness                            | 1928-B       | kPa               | ≥                         | 60                 |
| Cold flexibility                          | 1109         | °C                | ≤                         | -20                |
| Flow resistance at elevated temperature   | 1110         | °C                | ≥                         | 140                |
| L/T tensile strength                      | 12311-1      | N/5cm             | ±20%                      | 750/650            |
| L/T tensile elongation                    | 12311-1      | %                 | ±15                       | 50/50              |
| L/T dimensional stability                 | 1107-1       | %                 | ≤                         | 0,3                |
| Static puncture                           | 12730-B      | Kg                | ≥                         | 25                 |
| Dynamic puncture                          | 12691-B      | Mm                | ≥                         | 1000               |
| L/T tear resistance                       | 12310-1      | N                 | ±30%                      | 160/180            |
| Joint peel resistance                     | 12316-1      | N/5cm             | ±20 N                     | 60                 |
| Joint cut resistance                      | 12317-1      | N/5cm             | ±20%                      | 650/550            |
| <b>Durability after ageing:</b>           |              |                   |                           |                    |
| • Cold flexibility                        | 1296-1109    | °C                | +15°C                     | -15                |
| • Flow resistance at elevated temperature | 1296-1110    | °C                | -10°C                     | 130                |
| • UV Ageing                               | 1297         | -                 | -                         | Passes the test    |
| • Watertightness                          | 1296-1928    | kPa               | ≥                         | 60                 |
| • Chemical resistance                     | -            | -                 | -                         | NPD <sup>(4)</sup> |
| • L/T tensile strength                    | 12311-1      | N/5cm             | ±20%                      | 650/550            |
| • L/T tensile elongation                  | 12311-1      | %                 | ±15                       | 45/45              |
| Steam permeability                        | 1931         | M                 | ≥                         | 20,000             |
| Root resistance                           | 13948        |                   | -                         | Passes the test    |
| External fire behaviour                   | 13501-5      | EC <sup>(5)</sup> | -                         | NPD <sup>(6)</sup> |
| Fire reaction                             | 13501-1      | EC <sup>(5)</sup> | -                         | F                  |

- Notes:**
- (2) In compliance with the applicable AISPEC/SITEB-MBP Guidelines.
  - (3) Declared value or failure away from joint.
  - (4) Characteristic not determined because it is not relevant for use.
  - (5) Euroclass.
  - (6) Determination of external fire performance is a system test which can be influenced by system components, thus performance for each individual product cannot be given.

### Delivery form:

Rolls.

### Storage:

Rolls must be stored in their original package, in vertical position and under cool and dry conditions between temperatures of +5 °C and +35 °C. They must be protected from direct sunlight, rain, snow and ice.

### Shelf life:

They can be stored for up to 24 months in cool, dry conditions.



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**Safety:**

Safety precautions to be taken when using this product is given in the Safety Data Sheet.

**Disposal:**

Information for this product is given in the Safety Data Sheet.

MOY Materials Ltd has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact MOY Technical to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.