

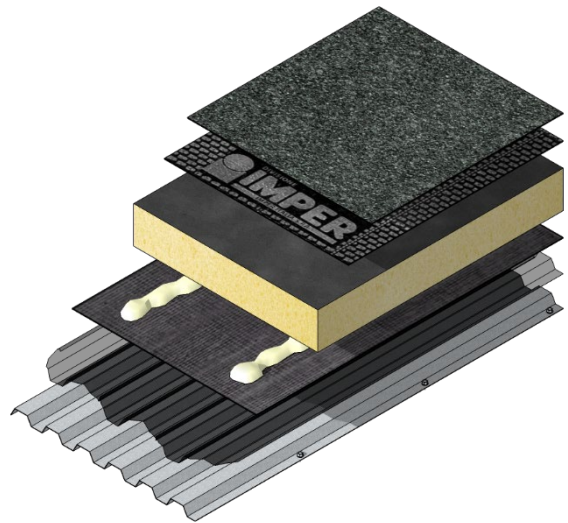
Technical Data Sheet Paralon ARD/HS

Product Description / Use:

Paralon ARD/HS is an APP and SBS modified bitumen polymer waterproofing membrane intended for all waterproofing applications including; Flat Roofs, Terraces, Podiums, Car Parks and Bridge Decks, Tunnels, Foundations and Underground Structures.

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

Paralon ARD/HS is manufactured with a slate granule coating to the upper surface of the membrane in various colours, offering UV protection and slip resistance. The membranes performance is obtained by coextrusion of the PARALLOY® compound which combines the best characteristics of SBS and APP compounds, reinforced with a synthetic non-woven continuous filament polyester fabric, enabling plasticity, elastic behaviour and superior resistance to mechanical damage. The lower face is coated with Termotene® fusible film which aids unrolling and facilitates torch bonding to various substrates.



The Paralon APP/SBS 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:



NSAI

Safe2
Torch



System Fire Testing:

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

warringtonfire

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

Whilst Paralon ARD/HS can be included in compliant B_{ROOF (t4)} 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 ⁽²⁾	Paralon ARD/HS ⁽³⁾
Roll dimensions	1848-1	m	≥	8 x 1 (-1%)
Thickness	1849-1	mm	±5%	4 + slates
Mass per unit area	1849-1	kg/m ²	±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 ⁽⁴⁾
Durability after ageing:				
• 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 ⁽⁵⁾
• L/T tensile strength	12311-1	N/5cm	±20%	600/550
• L/T tensile elongation	12311-1	%	±15	45/45
Steam permeability	1931	μ	≥	20,000
External fire behaviour	13501-5	EC ⁽⁶⁾	-	NPD ⁽⁹⁾
Fire reaction	13501-1	EC ⁽⁶⁾	-	E ⁽⁷⁾
Solar Reflectance Index (SRI)	ASTM Standard	%	-	82.1 ⁽⁸⁾

- Notes:**
- (2) In compliance with the applicable AISPEC/SITEB-MBP Guidelines.
 - (3) Standard colour: natural grey. Other colours may be available upon request.
 - (4) Declared value or off-joint breakage.
 - (5) Characteristic not determined because it is not relevant for use.
 - (6) Euroclass.
 - (7) Internal report
 - (8) Only Reflecta White version, in heavy wind conditions
 - (9) 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.



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Shelf life:

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

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.