



WASP
Water Ancillary Specialist Products

SPECIFICATION INFORMATION
FOR
WASP
FLEXIBLE HEAVY DUTY MEMBRANES

For more information please contact 01254 589987 or email sales@selenvironmental.com

Disclaimer

This product specification is neither giving nor implying warranty for the use of this information for design and installation, as these are beyond our control. The data provided is typical and based upon the mean values and we reserve the right to change the specifications without prior notice.



WASP01206

Flexible Heavy Duty Membrane 6m x 100m Roll

Description

WASP Flexible Heavy Duty Membrane is a robust weldable single layer cold applied geomembrane suitable for attenuation tank encapsulations, voided sub-base installations, lake / pond liners and containment. It is produced from a resin formulation designed to provide quality geomembrane with excellent flexibility, and improved elasticity and resistance to puncture. These properties assure maximum multiaxial elongation to accommodate differential settlement. It is ideal for most geomembrane applications. Design life of 50 years plus if no exposure to UV or chemicals.



SPECIFICATION

Thickness (DIN EN ISO 9863-1) mm	1.0	Puncture Resistance (DIN EN ISO 12236) N	1000
Width m	6	Carbon Black Content (ASTM D 4218) %	3
Length m	100	Carbon Black Dispersion (ASTM D 5596)	1/2
Density (DIN EN ISO 1183-1/A) g/cm ³	0.89	Dimensional Stability (DIN 53377) %	+/- 2
Stress at Break (DIN EN ISO 527-3) MPa	19	Multiaxial Elongation at Break (similar to ASTM 5617)	120
Elongation at Break (DIN EN ISO 527-3) MPa	900	Low Temperature Brittleness (ASTM D 2136) °C	-40
Tear Resistance (DIN ISO 34-1/B) N	60		

EXCELLENT FLEXIBILITY

IMPROVED ELASTICITY

HIGH PUNCTURE RESISTANCE

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WASP01205

Flexible Heavy Duty Membrane 5m x 100m Roll

Description

WASP Flexible Heavy Duty Membrane is a robust weldable single layer cold applied geomembrane suitable for attenuation tank encapsulations, voided sub-base installations, lake / pond liners and containment. It is produced from a resin formulation designed to provide quality geomembrane with excellent flexibility, and improved elasticity and resistance to puncture. These properties assure maximum multiaxial elongation to accommodate differential settlement. It is ideal for most geomembrane applications. Design life of 50 years plus if no exposure to UV or chemicals.



SPECIFICATION

Thickness (DIN EN ISO 9863-1) mm	1.0	Puncture Resistance (DIN EN ISO 12236) N	1000
Width m	5	Carbon Black Content (ASTM D 4218) %	3
Length m	100	Carbon Black Dispersion (ASTM D 5596)	1/2
Density (DIN EN ISO 1183-1/A) g/cm ³	0.89	Dimensional Stability (DIN 53377) %	+/- 2
Stress at Break (DIN EN ISO 527-3) MPa	19	Multiaxial Elongation at Break (similar to ASTM 5617)	120
Elongation at Break (DIN EN ISO 527-3) MPa	900	Low Temperature Brittleness (ASTM D 2136) °C	-40
Tear Resistance (DIN ISO 34-1/B) N	60		

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WASP01204

Flexible Heavy Duty Membrane 4m x 100m Roll

Description

WASP Flexible Heavy Duty Membrane is a robust weldable single layer cold applied geomembrane suitable for attenuation tank encapsulations, voided sub-base installations, lake / pond liners and containment. It is produced from a resin formulation designed to provide quality geomembrane with excellent flexibility, and improved elasticity and resistance to puncture. These properties assure maximum multiaxial elongation to accommodate differential settlement. It is ideal for most geomembrane applications. Design life of 50 years plus if no exposure to UV or chemicals.



SPECIFICATION

Thickness (DIN EN ISO 9863-1) mm	1.0	Puncture Resistance (DIN EN ISO 12236) N	1000
Width m	4	Carbon Black Content (ASTM D 4218) %	3
Length m	100	Carbon Black Dispersion (ASTM D 5596)	1/2
Density (DIN EN ISO 1183-1/A) g/cm ³	0.89	Dimensional Stability (DIN 53377) %	+/- 2
Stress at Break (DIN EN ISO 527-3) MPa	19	Multiaxial Elongation at Break (similar to ASTM 5617)	120
Elongation at Break (DIN EN ISO 527-3) MPa	900	Low Temperature Brittleness (ASTM D 2136) °C	-40
Tear Resistance (DIN ISO 34-1/B) N	60		

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WASP01203

Flexible Heavy Duty Membrane 3m x 100m Roll

Description

WASP Flexible Heavy Duty Membrane is a robust weldable single layer cold applied geomembrane suitable for attenuation tank encapsulations, voided sub-base installations, lake / pond liners and containment. It is produced from a resin formulation designed to provide quality geomembrane with excellent flexibility, and improved elasticity and resistance to puncture. These properties assure maximum multiaxial elongation to accommodate differential settlement. It is ideal for most geomembrane applications. Design life of 50 years plus if no exposure to UV or chemicals.



SPECIFICATION

Thickness (DIN EN ISO 9863-1) mm	1.0	Puncture Resistance (DIN EN ISO 12236) N	1000
Width m	3	Carbon Black Content (ASTM D 4218) %	3
Length m	100	Carbon Black Dispersion (ASTM D 5596)	1/2
Density (DIN EN ISO 1183-1/A) g/cm ³	0.89	Dimensional Stability (DIN 53377) %	+/- 2
Stress at Break (DIN EN ISO 527-3) MPa	19	Multiaxial Elongation at Break (similar to ASTM 5617)	120
Elongation at Break (DIN EN ISO 527-3) MPa	900	Low Temperature Brittleness (ASTM D 2136) °C	-40
Tear Resistance (DIN ISO 34-1/B) N	60		

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WASP01202

Flexible Heavy Duty Membrane 2m x 100m Roll

Description

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SPECIFICATION

Thickness (DIN EN ISO 9863-1) mm	1.0	Puncture Resistance (DIN EN ISO 12236) N	1000
Width m	2	Carbon Black Content (ASTM D 4218) %	3
Length m	100	Carbon Black Dispersion (ASTM D 5596)	1/2
Density (DIN EN ISO 1183-1/A) g/cm ³	0.89	Dimensional Stability (DIN 53377) %	+/- 2
Stress at Break (DIN EN ISO 527-3) MPa	19	Multiaxial Elongation at Break (similar to ASTM 5617)	120
Elongation at Break (DIN EN ISO 527-3) MPa	900	Low Temperature Brittleness (ASTM D 2136) °C	-40
Tear Resistance (DIN ISO 34-1/B) N	60		

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WASP01201

Flexible Heavy Duty Membrane 1m x 100m Roll

Description

WASP Flexible Heavy Duty Membrane is a robust weldable single layer cold applied geomembrane suitable for attenuation tank encapsulations, voided sub-base installations, lake / pond liners and containment. It is produced from a resin formulation designed to provide quality geomembrane with excellent flexibility, and improved elasticity and resistance to puncture. These properties assure maximum multiaxial elongation to accommodate differential settlement. It is ideal for most geomembrane applications. Design life of 50 years plus if no exposure to UV or chemicals.



SPECIFICATION

Thickness (DIN EN ISO 9863-1) mm	1.0	Puncture Resistance (DIN EN ISO 12236) N	1000
Width m	1	Carbon Black Content (ASTM D 4218) %	3
Length m	100	Carbon Black Dispersion (ASTM D 5596)	1/2
Density (DIN EN ISO 1183-1/A) g/cm ³	0.89	Dimensional Stability (DIN 53377) %	+/- 2
Stress at Break (DIN EN ISO 527-3) MPa	19	Multiaxial Elongation at Break (similar to ASTM 5617)	120
Elongation at Break (DIN EN ISO 527-3) MPa	900	Low Temperature Brittleness (ASTM D 2136) °C	-40
Tear Resistance (DIN ISO 34-1/B) N	60		

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