

### Penteco BGM XP1

- ❖ **Containment**
- ❖ **Erosion Control**
- ❖ **Leak Detection**
- ❖ **Water Proofing**
- ❖ **Protection**

XP RANGE is a single-structure variation of the ES range. It is less thick, but made from the same amount of elastomeric bitumen, ensuring the same mechanical and construction performance.

XP BGM is manufactured by impregnating a polyester geotextile with an elastomeric bitumen compound (no fiberglass layer). Although, the XP product line has reduced mechanical properties, the cost saving makes sense for certain applications. Each project should be studied carefully to determine the proper thickness, the need for fiberglass reinforcement, and chemical resistance properties.

BGM - XP1				
Property		Test Method	Imperial	Metric
Thickness	Average	ASTM D-5199	126.0 mil	3.20 mm
	Minimum		118.1 mil	3.00 mm
Surface Mass	Average	ASTM D-5261	126.8 oz/yd <sup>2</sup>	4.30 kg/m <sup>2</sup>
	Minimum		115.0 oz/yd <sup>2</sup>	3.90 kg/m <sup>2</sup>
Tear Resistance (average)	Longitudinal Direction	ASTM D-4073	135 lbf	600 N
	Cross Direction		112 lbf	500 N
Strength (average)	Longitudinal Direction	ASTM D-7275	108 lbf/in	19 KN/m
	Cross Direction		191 lbf/in	16 KN/m
Elongation (average)	Longitudinal Direction	ASTM D-7275	40%	40%
	Cross Direction		40%	40%
Flexibility at Low Temperature (average)	Longitudinal Direction	ASTM D-5147	-4°F	-20°C
	Cross Direction		-4°F	-20°C
Puncture Resistance	Average	ASTM D-4833	97 lbf	430 N
Water Permeability	Average	ASTM E-96	6 x 10 <sup>-14</sup> m/s	
Gas Permeability	Average	ASTM D-1434-82	2 x 10 <sup>-4</sup> m <sup>3</sup> /(m <sup>2</sup> .d.atm)	
<b>Dimensions</b>				
Typical Roll Size		Measured	16.7 ft x 328 ft	5.10 m x 100 m
Area		Calculated	5478 ft <sup>2</sup>	510 m <sup>2</sup>

#### Notes:

- (1) Roll Widths/ Lengths vary based on manufacturer.
- (2) All roll widths/lengths have a tolerance of ±1 %.
- (3) Custom roll lengths can be ordered. Transportation cost might be affected.
- (4) Penteco is a distributor for this product.
- (5) Manufacturer's data sheet provided at time of purchase.

**DISCLAIMER:** The data above represents the manufacturer's laboratory testing of their product. It is the user's responsibility to determine the suitability of the products. Penteco is a distributor for these products through its manufacturing partners. Penteco will provide the manufacturers data sheet at the time of sale. Penteco and manufacturing partners assume no liability, nor can they provide any warranty, without having additional information regarding the use of the products. The same goes for any infringement on patents - no permission can be granted without further disclosure.

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