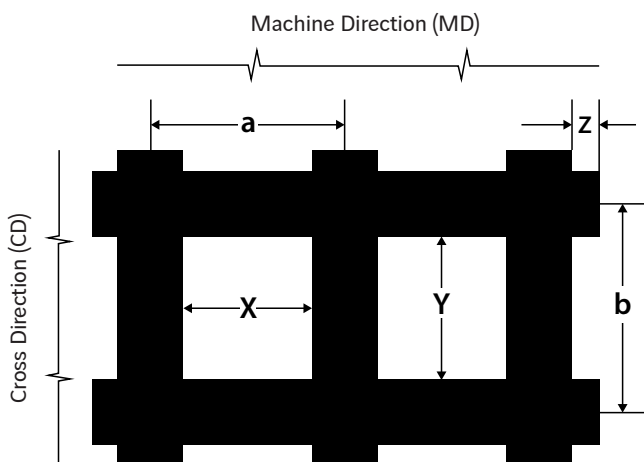


ArmaLynk®(BX) PET

ArmaLynk®(BX) PET is a high-performance biaxial soil reinforcement geosynthetic made from high tenacity polyester yarns in a durable polyethylene sheath. Its unique non-invasive welding process creates a resilient geogrid that ensures a strong bond while preserving material integrity. The coherent orthogonal combination of main and cross strips provides effective load distribution, alignment stability, and structural integrity during installation. Designed for optimal performance across various soil conditions, ArmaLynk®(BX) PET facilitates easy installation and complies with industry standards for high reliability.

Technical Properties

GRADE	UNITS	AL (BX) PET 300/300	AL (BX) PET 400/400	AL (BX) PET 500/500	AL (BX) PET 600/600
Mechanical Properties					
Nominal Tensile Strength	kN/m	300	400	500	600
Elongation at Nominal Strength	%	≤12			
Partial Reduction Factor - Creep ⁱ	@20°C	0.73	0.73	0.73	0.73
Partial Reduction Factor - Installation Damage	D ₅₀ 0.9mm	0.99	0.99	1.00	1.00
	D ₅₀ 5.0mm	0.98	0.98	1.00	1.00
	D ₅₀ 21.0mm	0.99	0.99	1.00	1.00
Partial Reduction Factor -Environmental Effects ⁱⁱ	-	0.83	0.83	0.83	0.83
Physical Properties					
Polymer on the tensile element	-	High Tensile Polyester (HT-PET)			
Polymer sheathing on the tensile element	-	Linear Low-Density Polyethylene (LLDPE)			
MD Strap Width	mm	70	70	70	70
CD Strap Width	mm	70	70	70	70
MD and CD Strap Distance (a/b)	mm/mm	402/402	313/313	245/245	225/225
Aperture (X/Y)	mm/mm	332/332	243/243	175/175	155/155
Nominal Roll Length ⁱⁱⁱ	m	50	50	50	50
Nominal Roll Width	m	≤5.7			
Selvedge (z)	mm	≤50			
Weight of Roll ⁱⁱⁱ	kg	400	480	590	770



Notes:

- Reduction Factors are at 20°C and for 114 years design life. Reduction factors for higher temperatures up to 40°C can be furnished on request.
- Partial Reduction factors - environmental effects are valid for pH range of 3 to 9.
- The provided roll weight is an estimate and includes the steel core. Actual weight may vary based on the roll's final length and width. Roll length may be adjusted during manufacturing to meet logistical requirements. The final weight and length will be confirmed at time of delivery.
- Intermediate strength products of ArmaLynk can be manufactured on request.
- Our internal laboratory is certified by the National Accreditation Board for Testing and Calibration Laboratories (NABL).

Environmental Properties:

Global Warming Potential A1-A3 (GWP) = 3 kg CO₂e/kg
Environmental Product Declaration is available in accordance with ISO 14025 and EN 15804 (Certificate No.: EPD HUB, HUB-0978)



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