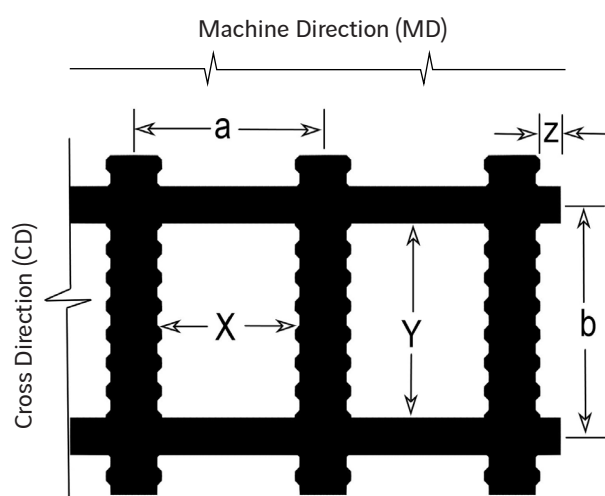


HA ArmaLynk®(UX) PET

The High Adhesion (HA) ArmaLynk®(UX) PET is a uniaxial high-performance soil reinforcement geosynthetic made from High Adhesion (HA) polymeric strips crafted from high tenacity polyester yarns, encased in a robust polyethylene sheath having trapezoidal corrugations on both sides of the machine direction strips to enhance friction. Utilizing a unique non-invasive welding process, these strips are orthogonally welded to create a resilient geogrid structure. This innovative design ensures high performance across a range of soil conditions for efficient stress transfer and superior stress resistance.

Technical Properties

GRADE	UNITS	HA AL (UX) PET 300	HA AL (UX) PET 400	HA AL (UX) PET 500	HA AL (UX) PET 600
Mechanical Properties					
Nominal Tensile Strength	kN/m	300	400	500	600
Elongation at Nominal Strength	%				
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	-				
Sheathing	-				
MD and CD Strap Distance (a/b)	mm/mm	234/1000	176/1000	201/1000	125/1000
Aperture (X/Y)	mm/mm	164/955	106/955	131/955	55/955
MD Strap Width	mm	70	70	70	70
Nominal Roll Length ⁱⁱⁱ	m	100	100	70	70
Nominal Roll Width	m				
Selvedge (z)	mm				
Weight of Roll ⁱⁱⁱ	kg	720	900	700	820



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 HA 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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