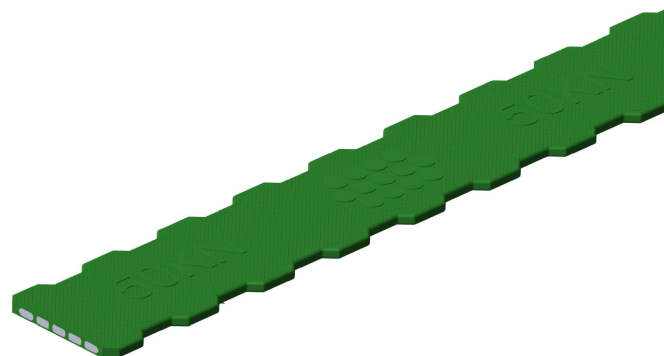
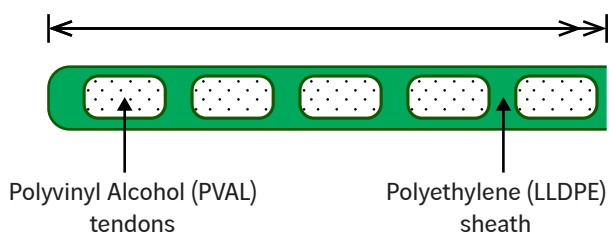


High Adherence (HA) EcoStrap™ 5 reinforcing strips consist of discrete channels of closely packed High Tenacity Polyvinyl Alcohol (HT-PVAL) yarns encased in a polyethylene sheath of 50mm width. Unique corrugation-like ribs are created on both side of this strap to generate high friction and superior stress transfer and are produced by a technologically advanced extrusion-coating process. The HT-PVAL fibers are selected to comply with the most demanding up to date standards and demonstrate exceptional durability in environments with pH up to 13.



Technical Properties

Properties	Units	HA EcoStrap™ 5	
Mechanical Properties			
Characteristic Strength ⁱ	kN	40	50
Elongation at break	%	6±2	6±2
Partial Reduction Factor – Creep ⁱⁱⁱ	@20° C	0.61	0.61
Partial Reduction Factor – Installation Damage	D ₅₀ 0.9 mm	1.00	1.00
	D ₅₀ 12.0 mm	1.00	0.99
	D ₅₀ 20.0 mm	1.00	0.97
Partial Reduction Factor -Environmental Effects ^{iv}	-	1.00	1.00
Physical Properties			
Reinforcement polymer	-	HT-PVAL	HT-PVAL
Coating polymer	-	LLDPE	LLDPE
Width and tolerance	mm	49.5±1	49.5±1
Coil length ⁱⁱ	m	100	100

Notes:

- Short-term tests in accordance with EN ISO 10319:2015.
- Values are subjected to 0.1% variation.
- 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 1 to 13.
- Intermediate characteristics strength products of HA EcoStrap can be manufactured on request.
- Our internal laboratory is certified by the National Accreditation Board for Testing and Calibration Laboratories (NABL).