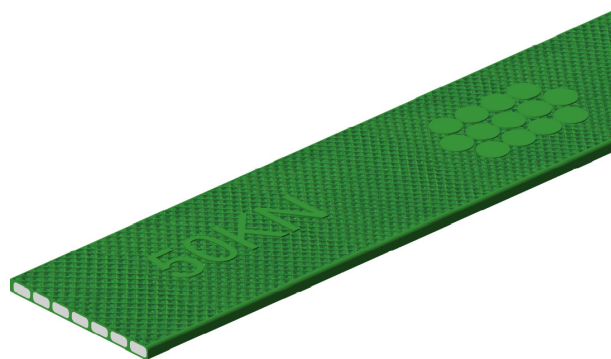
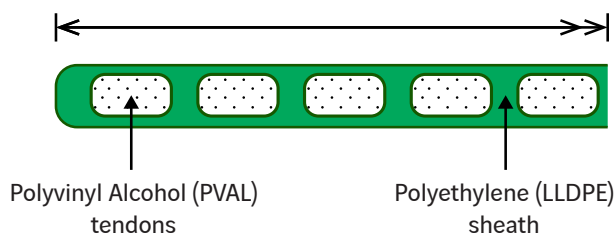


EcoStrap™ 5 and EcoStrap™ 7 Reinforcing Strips are unique and innovative solution featuring discrete channels of closely packed High-Tenacity Polyvinyl Alcohol (HT-PVAL) tendons, encased in a polyethylene sheath in widths of 50mm and 70mm respectively. Manufactured using a specialized extrusion-coating process, these strips leverage advanced manufacturing technology for superior performance. The HT-PVAL fibers comply with stringent industry standards and offer remarkable durability in challenging environments, with a pH tolerance of up to 13.



Technical Properties

Properties	Units	EcoStrap™ 5			EcoStrap™ 7	
Mechanical Properties						
Characteristic Strength ⁱ	kN	40	50	60	75	100
Elongation at break	%	6±2	6±2	6±2	6±2	6±2
Partial Reduction Factor – Creep ⁱⁱⁱ	@20° C	0.61	0.61	0.61	0.61	0.61
Partial Reduction Factor – Installation Damage	D ₅₀ 0.9 mm	1.00	1.00	0.98	1.00	1.00
	D ₅₀ 12.0 mm	1.00	0.98	0.96	1.00	1.00
	D ₅₀ 20.0 mm	0.98	0.98	0.95	1.00	1.00
Partial Reduction Factor -Environmental Effects ^{iv}	-	1.00	1.00	1.00	1.00	1.00
Physical Properties						
Reinforcement polymer	-	HT-PVAL	HT-PVAL	HT-PVAL	HT-PVAL	HT-PVAL
Coating polymer (co-polymer combinations)	-	LLDPE	LLDPE	LLDPE	LLDPE	LLDPE
Width and tolerance	mm	49.5±1	49.5±1	49.5±1	69.5±1	69.5±1
Coil length ⁱⁱ	m	100	100	100	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 EcoStrap can be manufactured on request.
- Our internal laboratory is certified by the National Accreditation Board for Testing and Calibration Laboratories (NABL).