

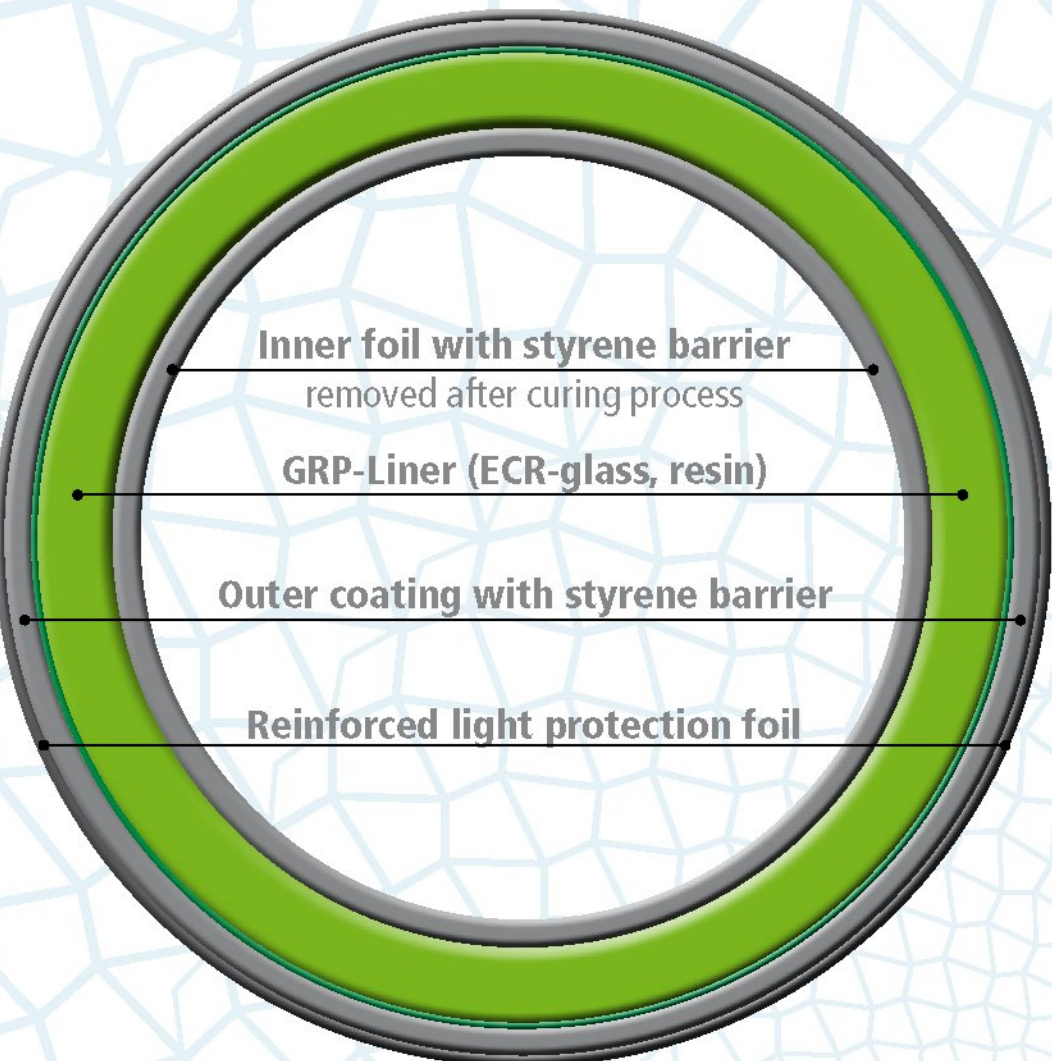
SAERTEX-LINER® (Premium)

The innovative GRP-Liner with the highest mechanical properties for (nearly) each application.

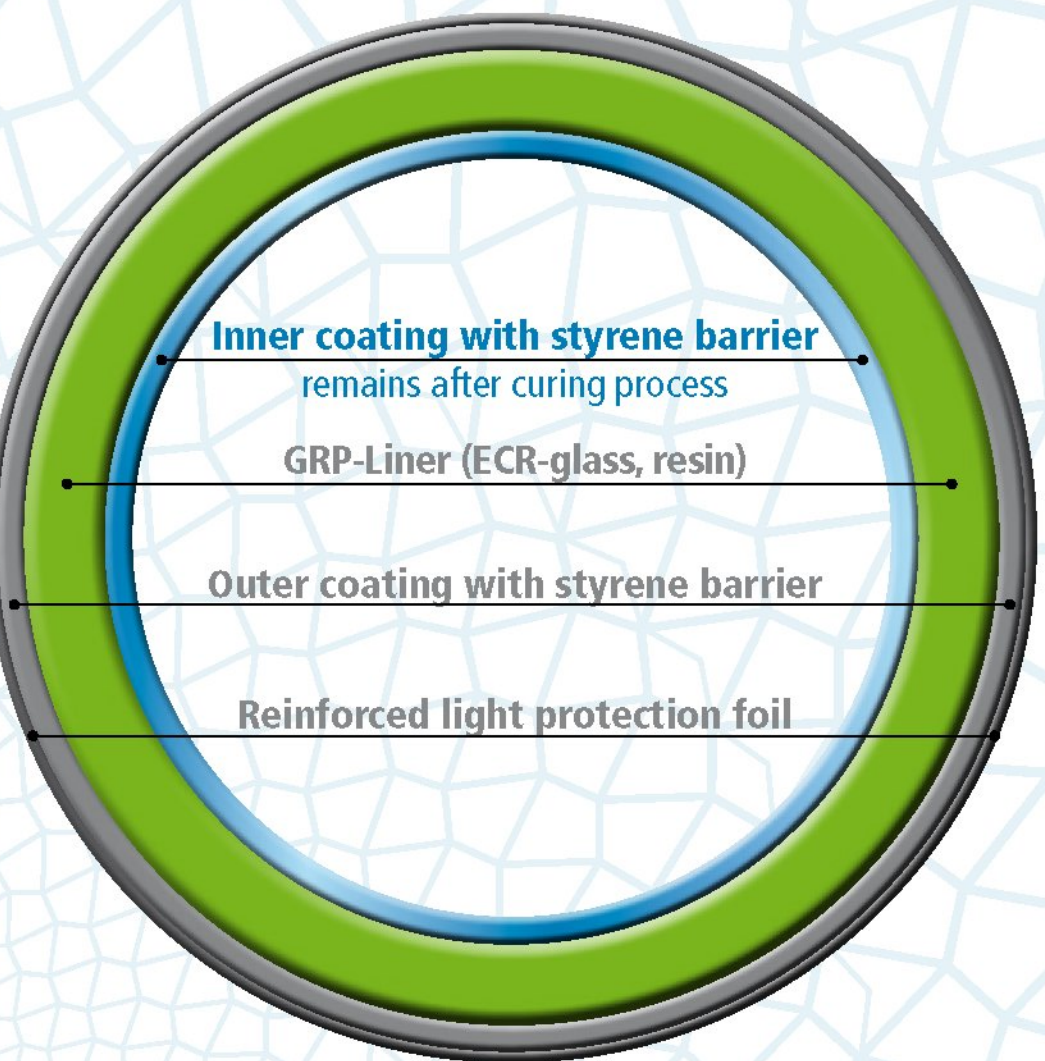


STRUCTURE

SAERTEX-LINER®



SAERTEX-LINER® Premium



AT A GLANCE

Product	Application					Inner foil / inner coating with styrene barrier	
	Surface-, combined- and waste water	Gravity	Pressure	Industry	Special projects	Foil	Patented inner coating
SAERTEX-LINER® Type M	Yes	Yes	SAERTEX-LINER® Pressure	Yes	Yes	Yes	
SAERTEX-LINER® Type M Premium	Yes	Yes			Yes		Yes
SAERTEX-LINER® Type S+	Yes	Yes		Yes	Yes	Yes	
SAERTEX-LINER® Type S+ Premium	Yes	Yes			Yes		Yes

Product	Outer coating with styrene barrier	Resin			Curing			Change of dimension
		UP	VE	VE styrene free	UP	VE	VE styrene free	
SAERTEX-LINER® Type M	Yes	Surface-, combined- and waste water	Industry	Special projects	UV / Steam	UV / Steam	UV	Yes
SAERTEX-LINER® Type M Premium	Yes				UV / Steam		UV	
SAERTEX-LINER® Type S+	Yes		Industry		UV / Steam	UV / Steam	UV	Yes
SAERTEX-LINER® Type S+ Premium	Yes				UV / Steam		UV	

Mechanical properties	SAERTEX-LINER® Type M			SAERTEX-LINER® Type S+		
Short-term circumferential E-Modulus (ring stiffness)	≥ 7,000 N/mm²	/	1,015,264 psi	≥ 20,500 N/mm²	/	≥ 2,973,000 psi
Long-term circumferential E-Modulus (ring stiffness)	3,800 N/mm²	/	551,143 psi	16,000 N/mm²	/	2,320,000 psi
Short-term bending E-Modulus (three-point bending)	≥ 7,000 N/mm²	/	≥ 1,015,264 psi	≥ 16,800 N/mm²	/	≥ 2,436,000 psi
Short-term bending strength (three-point bending)	≥ 200 N/mm²	/	≥ 29,008 psi	≥ 270 N/mm²	/	≥ 39,160 psi
Long-term bending strength (three-point bending)	110 N/mm²	/	15,954 psi	210 N/mm²	/	30,450 psi
Reduction factor A after 10,000 h	1.80			1.28		
Dimension range	DN 150 – DN 400 / 6" – 16"			DN 150 – DN 1,600 / 6" – 63"		
Wall thickness in cured condition	3 mm and 4 mm / 0.118" and 0.157"			3 mm – 15 mm / 0.118" – 0.591"		