

# CIPP/RELINING RESINS

EUROPE - 2019

Resin	Description	Typical liquid resin properties							Typical cured resin properties				
		Viscosity, Brookfield (mPa•s)	Viscosity, Cone&Plate (mPa•s)	Monomer Content (%)	Curing system				Tensile Strength (mPa)	Tensile Modulus (mPa)	Tensile Elongation at Break (%)	Flexural Strength (mPs)	HDT (°C)
					Gel Time (min)	Peroxide (%)	Accelerator 1%	Temp °C					
<b>Aropol™ G 154 TXE</b>	Ortho based, good thermal resistance, high reactivity.	4200/ 1300 <sup>1)</sup>	-	40	12	2	-	25	60	3500	2.1	110	75
<b>Aropol™ K 514</b>	ISO-NPG based, good mechanical properties, corrosion resistance.	750	-	38	20	1	1	23	55	2800	2.8	97	87
<b>Aropol™ K 514 TB</b>	ISO-NPG based, good mechanical properties, corrosion resistance, pre-accelerated, thixotropic.	1200	280	45	37	1.5	-	23	55	2800	2.8	97	87
<b>Aropol™ K 530</b>	Isophthalic based, good mechanical properties, corrosion resistance.	800	-	38	12	2	1.5	23	65	4100	2.5	125	93
<b>Aropol™ K 530 TX</b>	Isophthalic based, good mechanical properties, corrosion resistance.	3800	390	43	12	2	1.5	23	65	4100	2.5	125	93
<b>Aropol™ S 580 TX</b>	Isophthalic based, excellent mechanical properties, good thermal properties.	3800	390	38	12	2	1.5	25	81	3500	6.3	130	86
<b>Aropol™ UN 2</b>	ISO-NPG based, good corrosion and thermal resistance.	600	-	40	8	2	0.5	25	65	-	3.5	130	110
<b>Derakane™ Momentum™ 411-10KT</b>	Epoxy vinyl ester resin, based on bisphenol-A.	1600	-	45	See technical data sheet				86	-	5 to 6	150	105
<b>Derakane™ Momentum™ 470-10KT</b>	Epoxy vinyl ester resin, based on novolac.	1600	-	33	See technical data sheet				85	3600	3 to 4	130	150

<sup>1)</sup> 2 rpm/20 rpm | <sup>2)</sup> gel time at 60 °C | <sup>3)</sup> 0.8% Perkadox 16 + 1.0% Trigonox C

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