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Product name	Unit	SÄKAPHEN® SÄKATONIT® K 80 LS
Properties	-	Cold Cured Duroplast Coating
Resin base	-	Amine cured Epoxy system
Field of Application	-	For the coating of tube sheets in power plants, in water treatment and desalination plants and in the chemical industry.
Cure Mechanism	-	Cold Cured Duroplast Coating
Quantity of components	-	2
Color	-	Red
Surface	-	Glossy
General chemical resistance (All resistances have to be inquired separately!)	-	Resistant to all types of water, including brackish, river and sea water as well as deionized water, various substances ranging from sour to strongly alkaline, inorganic salts and their solutions.
pH Range	pH	1-13
Wet Film Thickness per layer	µm	150
Total dry film thickness	µm	to the length of the jet out tubes
Coverage	approx. kg/m ² /DFT	1,3 kg / m² / 500µm
Surface Preparation	Sa	SA2 ½ - SA 3
Surface Profile	µm	40 - 60 µm
Temperature resistance dry (dry air oven)	°C	-20°C to +90°C
Temperature resistance wet (water)	°C	-20°C to 70°C
Resistance to water vapor diffusion	°C	≤ ΔT 30°C
Overcoating Waiting Time	hours/23°C	8-24
Chemical Curing	days	7-10
Linear Thermal Expansion	µm	n/a
Pore testing	Volts	n/a
Pendulum hardness acc. to König	6° sec	147
Shore D Hardness	Shore D	83
Adhesion Test	N/mm ² [MPa]	13 troweling) 17 (primer, topcoat)
Salt spray test	hours	n/a
Impact Strength	mm (1 kg)	1000
Surface smoothness (Ra)	µm Ø 3 readings	0,195
Surface tension	mN/m	<28
Taber Abrasion resistance, CS17 wheel, 1kg	mg/1000 r.	under examination
Crosscut	class	n/a
Heat conductivity Ø 12,7x2,0mm on C-Steel with 67,37 w/mK	W/mK	n/a