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Product name	Unit	SÄKAPHEN® SÄKALINE KTW
Properties	-	Cold Cured Duroplast Coating
Resin base	-	Amine cured Epoxy System
Field of Application	-	For the coating of vessels, boilers, pipes and other equipment exposed to potable water or other food grade liquids.
Cure Mechanism	-	Cold Cured Duroplast Coating
Quantity of components	-	2
Color	-	Black
Surface	-	Satine finished
General chemical resistance (All resistances have to be inquired separately!)	-	Resistant to warm potable water (60°C) and aqueous sour and alkaline solutions.
pH Range	pH	3-12
Wet Film Thickness per layer	µm	> 300
Total dry film thickness	µm	400-1000
Coverage	approx. kg/m ² /DFT	0,78 kg / m² / 600µm
Surface Preparation	Sa	SA2 ½ - SA 3
Surface Profile	µm	40 - 60 µm
Temperature resistance dry (dry air oven)	°C	85°C
Temperature resistance wet (water)	°C	60°C
Resistance to water vapor diffusion	°C	≤ ΔT 30°C
Overcoating Waiting Time	hours/23°C	min. 4 hours
Chemical Curing	days	7
Linear Thermal Expansion	µm	n/a
Pore testing	Volts	3200
Pendulum hardness acc. to König	6° sec	118
Shore D Hardness	Shore D	83
Adhesion Test	N/mm ² [MPa]	20
Salt spray test	hours	n/a
Impact Strength	mm (1 kg)	100
Surface smoothness (Ra)	µm Ø 3 readings	4,6
Surface tension	mN/m	~28
Taber Abrasion resistance, CS17 wheel, 1kg	mg/1000 r.	under examination
Crosscut	class	0
Heat conductivity Ø 12,7x2,0mm on C-Steel with 67,37 w/mK	W/mK	n/a