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Product name	Unit	SÄKAPHEN® SÄKATONIT® Extra AR
Properties	-	Cold Cured Duroplast Coating
Resin base	-	Amine cured Epoxy system
Field of Application	-	For the coating of tube sheets, pipe work and prover loops, spill boxes, water boxes, blower-, fan- and compressor housings, tanks, vessels, inside of filters, valves and agitators. Certain surface imperfections can be covered up by thickness of applied material.
Cure Mechanism	-	Cold Cured Duroplast Coating
Quantity of components	-	2
Color	-	Anthracite
Surface	-	Glossy
General chemical resistance (All resistances have to be inquired separately!)	-	Enhanced mechanical and impact resistance as well as chemically 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, fuels, acidic aqueous solution and concentrated hydrochloric acid (36%).
pH Range	pH	1-13
Wet Film Thickness per layer	µm	250
Total dry film thickness	µm	500 (chemical resistance) 1500 (mechanical resistance)
Coverage	approx. kg/m ² /DFT	4,4 / m ² / 1500µm
Surface Preparation	Sa	SA2 ½ - SA 3
Surface Profile	µm	100
Temperature resistance dry (dry air oven)	°C	-20°C to +120°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	5000
Pendulum hardness acc. to König	6° sec	132
Shore D Hardness	Shore D	83
Adhesion Test	N/mm ² [MPa]	> 20
Salt spray test	hours	n/a
Impact Strength	mm (1 kg)	1000
Surface smoothness (Ra)	µm Ø 3 readings	0,72
Surface tension	mN/m	>28 <35
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