

Product name	Unit	SÄKAPHEN® Ceramoclad 221
Properties	-	Cold Cured Duroplast Coating
Resin base	-	Amine cured Epoxy system
Field of Application	-	Cold cured, solvent free repair material for pitted surfaces in casings, pipes, tanks and other process equipment. Can be used for patching damages of shafts or other rotating equipment. Overcoatable with SÄKAPHEN® baked linings.
Cure Mechanism	-	Cold Cured Duroplast Coating
Quantity of components	-	2
Color	-	Light grey
Surface	-	Satin
General chemical resistance (All resistances have to be inquired separately!)	-	Chemically resistant to all types of water, including brackish, river and sea water as well as deionized water. The product can withstand temperatures up to 220°C in peaks. Fully cured it can be easily machined. Can be overcoated with baked phenolics. No special application equipment needed. Final resistance depends on top coat applied.
pH Range	pH	1-13
Wet Film Thickness per layer	µm	as per need
Total dry film thickness	µm	as per need
Coverage	approx. kg/m ² /DFT	2,0 kg / m ² / 1000µm
Surface Preparation	Sa	SA2 ½ - SA 3
Surface Profile	µm	40
Temperature resistance dry (dry air oven)	°C	-20°C to +150°C In Spitzen / Peaks up to +220°C
Temperature resistance wet (water)	°C	-20°C to 70°C abhängig von der Deckbeschichtung / depending on the topcoat
Resistance to water vapor diffusion	°C	≤ ΔT 30°C
Overcoating Waiting Time	hours/23°C	8-24
Chemical Curing	days	7
Linear Thermal Expansion	µm	n/a
Pore testing	Volts	abhängig von der Deckbeschichtung / depending on the topcoat
Pendulum hardness acc. to König	6° sec	abhängig von der Deckbeschichtung / depending on the topcoat
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	abhängig von der Deckbeschichtung / depending on the topcoat
Surface tension	mN/m	abhängig von der Deckbeschichtung / depending on the topcoat
Taber Abrasion resistance, CS17 wheel, 1kg	mg/1000 r.	abhängig von der Deckbeschichtung / depending on the topcoat
Crosscut	class	abhängig von der Deckbeschichtung / depending on the topcoat
Heat conductivity Ø 12,7x2,0mm on C-Steel with 67,37 w/mK	W/mK	n/a

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