

Product Data Sheet



Product name	Unit	SÄKAPHEN® Si 14® EG/RE
Properties	-	Cold Cured Duroplast Coating
Resin base	-	Amine cured Epoxy system
Field of Application	-	Cold Cured repair material for SÄKAPHEN® Si 14® EG
Cure Mechanism	-	Cold Cured Duroplast Coating
Quantity of components	-	2
Color	-	Dark brown
Surface	-	Matt
General chemical resistance (All resistances have to be inquired separately!)	-	Diffusion resistant and chemically resistant to all types of water, including brackish, river and sea water up to 100°C in permanent immersion, various substances ranging from sour to strongly alkaline, inorganic salts and their solutions, acidic aqueous solutions.
pH Range	pH	4 - 12
Wet Film Thickness per layer	µm	150
Total dry film thickness	µm	300-350
Coverage	approx. kg/m ² /DFT	1,6 kg / m² / 350µm
Surface Preparation	Sa	SA2 ½ - SA 3
Surface Profile	µm	40 - 60 µm
Temperature resistance dry (dry air oven)	°C	-20°C to +120°C
Temperature resistance wet (water)	°C	-20°C to 105°C
Resistance to water vapor diffusion	°C	≤ ΔT 85°C
Overcoating Waiting Time	hours/23°C	12-48
Chemical Curing	days	8
Linear Thermal Expansion	µm	n/a
Pore testing	Volts	67,5
Pendulum hardness acc. to König	6° sec	63
Shore D Hardness	Shore D	84
Adhesion Test	N/mm ² [MPa]	> 8
Salt spray test	hours	n/a
Impact Strength	mm (1 kg)	1000
Surface smoothness (Ra)	µm Ø 3 readings	2,18
Surface tension	mN/m	>35 <38
Taber Abrasion resistance, CS17 wheel, 1kg	mg/1000 r.	under examination
Crosscut	class	1
Heat conductivity Ø 12,7x2,0mm on C-Steel with 67,37 w/mK	W/mK	n/a

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