

Product Data Sheet



Product name	Unit	SÄKAPHEN® Si 14® E/RE
Properties	-	Cold Cured Duroplast Coating
Resin base	-	Amine cured Epoxy system
Field of Application	-	Cold Cured repair material for SÄKAPHEN® Si 14® E
Cure Mechanism	-	Cold Cured Duroplast Coating
Quantity of components	-	2
Color	-	Green
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, fuels, acidic aqueous solution.
pH Range	pH	1-13
Wet Film Thickness per layer	µm	150
Total dry film thickness	µm	400-500
Coverage	approx. kg/m²/DFT	1,2 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 +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	VDE 0304: 4 x 10⁻⁶ K⁻¹
Pore testing	Volts	2000
Pendulum hardness acc. to König	6° sec	133
Shore D Hardness	Shore D	84
Adhesion Test	N/mm² [MPa]	> 20
Salt spray test	hours	1250
Impact Strength	mm (1 kg)	500
Surface smoothness (Ra)	µm Ø 3 readings	0,20
Surface tension	mN/m	>28 <35
Abrasion resistance	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

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