

Product name	Unit	SÄKAPHEN® Si 17® N
Properties	-	Heat Cured Duroplast
Resin base	-	Phenolic resin blend
Field of Application	-	For the coating of storage-, transportation- and process vessels, pipe works, rotating equipment and other equipment where excellent chemical resistance as well as enhanced abrasion resistance and/or resistance against diffusible mediums is needed.
Cure Mechanism	-	Heat cured
Quantity of components	-	1
Color	-	Grey - olive
Surface	-	Satin finished
General chemical resistance (All resistances have to be inquired separately!)	-	Abrasion resistant as well as chemically resistant to metal oxichlorides (VOCL3), HF conc. and various substances ranging from strongly acidic to light alkaline aqueous liquids and vapors, fume gases, organic and inorganic acids, chlorinated aromatic and aliphatic hydrocarbons, oils and greases. Diffusion resistant.
pH Range	pH	1 - 8
Wet Film Thickness per layer	µm	100
Total dry film thickness	µm	180-200
Coverage	approx. kg/m <sup>2</sup> /DFT	1,1 kg / m <sup>2</sup> / 200µm
Surface Preparation	Sa	SA2 ½ - SA 3
Surface Profile	µm	40 - 60 µm
Temperature resistance dry (dry air oven)	°C	-20°C to +180°C/200°C
Temperature resistance wet (water)	°C	-20°C to +180°C/200°C
Resistance to water vapor diffusion	°C	≤ ΔT 85°C
Overcoating Waiting Time	hours/23°C	no limitations
Chemical Curing	days	after final bake
Linear Thermal Expansion	µm	(VDE 0304): 29*10-6 mm/mm°C
Pore testing	Volts	67,5
Pendulum hardness acc. to König	6° sec	153
Shore D Hardness	Shore D	95
Adhesion Test	N/mm <sup>2</sup> [MPa]	>30
Salt spray test	hours	1250
Impact Strength	mm (1 kg)	> 1000
Surface smoothness (Ra)	µm Ø 3 readings	1,27
Surface tension	mN/m	>38 <41
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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