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Product name	Unit	SÄKAPHEN® Si 17® E
Properties	-	Heat Cured Duroplast
Resin base	-	Phenolic resin blend
Field of Application	-	Suitable for the coating of steel containers for storage and transportation of inflammable liquids classified as dangerous according to class A1 / AII and B as well as for water endangering flammable liquids (aliphatic and aromatic chlorinated hydrocarbons) due to an electrical surface resistance less than $10^7 \Omega$.
Cure Mechanism	-	Heat cured
Quantity of components	-	1
Color	-	Olive
Surface	-	Satin finished
General chemical resistance (All resistances have to be inquired separately!)	-	Electrically conductive and chemically resistant to various liquid and gaseous aliphatic and aromatic hydrocarbons, organic and inorganic acids, salt solutions, oils and greases, acidic to weak alkaline liquids up to max.pH 8. 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 ² /DFT	1,2 kg / m ² / 200 μm
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	$\leq \Delta T 85^\circ\text{C}$
Overcoating Waiting Time	hours/23°C	no limitations
Chemical Curing	days	after final bake
Linear Thermal Expansion	μm	(VDE 0304): $29 \cdot 10^{-6} \text{ mm/mm}^\circ\text{C}$
Pore testing	Volts	9 V
Pendulum hardness acc. to König	6° sec	134
Shore D Hardness	Shore D	95
Adhesion Test	N/mm ² [MPa]	>30
Salt spray test	hours	1250
Impact Strength	mm (1 kg)	> 1000
Surface smoothness (Ra)	μm Ø 3 readings	2,8
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	9,24