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Product name	Unit	SÄKAPHEN® TC Lining Deck
Properties	-	Heat Cured Duroplast Coating
Resin base	-	Duroplastic resin blend
Field of Application	-	400 micron DFT, high build coating system for the coating of various transportation and storage containers, in particular ISO tank containers, but also process vessels, pipework and impellers.
Cure Mechanism	-	Heat cured
Quantity of components	-	1
Color	-	Red (Top coat)
Surface	-	Satin finished
General chemical resistance (All resistances have to be inquired separately!)	-	Chemically resistant to various strongly acidic to weakly alkaline media, aliphatic and aromatic chlorinated hydrocarbons, as well as organic and inorganic salt solutions - certified by Bureau Veritas
pH Range	pH	1 - 13
Wet Film Thickness per layer	µm	100
Total dry film thickness	µm	350-400
Coverage	approx. kg/m ² /DFT	0,5 kg / m ² / 150µm
Surface Preparation	Sa	Top coat to be applied on SÄKAPHEN® TC Lining Grund
Surface Profile	µm	Top coat to be applied on SÄKAPHEN® TC Lining Grund
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 30°C
Overcoating Waiting Time	hours/23°C	no limitations
Chemical Curing	days	after final bake
Linear Thermal Expansion	µm	n/a
Pore testing	Volts	67,5
Pendulum hardness acc. to König	6° sec	195
Shore D Hardness	Shore D	93
Adhesion Test	N/mm ² [MPa]	> 30
Salt spray test	hours	n/a
Impact Strength	mm (1 kg)	> 1000
Surface smoothness (Ra)	µm Ø 3 readings	<1
Surface tension	mN/m	<28
Abrasion resistance	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