

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 <sup>2</sup> /DFT	0,5 kg / m <sup>2</sup> / 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 <sup>2</sup> [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
Taber Abrasion resistance	CS17, 1kg load mg/1000r.	14
Crosscut	class	1
Heat conductivity Ø 12,7x2,0mm on C-Steel with 67,37 w/mK	W/mK	n/a

All recommendations contained herein are correct to the best of our knowledge. We do, however, not bear any responsibility for the accuracy of the contents. No part of this document may be reproduced without the prior permission of SÄKAPHEN GmbH, Bottroper Straße 275, 45964 Gladbeck/Germany.