

Product Data Sheet



Product name	Unit	SÄKAPHEN® Si 14® E BKW
Properties	-	Heat Cured Duroplast
Resin base	-	Phenolic resin blend
Field of Application	-	Filler-free and pigment-free top coat for Si 14® E, especially for the use inside tank containers, vessels and containers carrying chlorinated hydrocarbons.
Cure Mechanism	-	Heat cured
Quantity of components	-	1
Color	-	Clear (Topcoat on green)
Surface	-	Glossy
General chemical resistance (All resistances have to be inquired separately!)	-	Resistant to organic and inorganic acids, salt solutions, aliphatic and aromatic chlorinated hydrocarbons.
pH Range	pH	1 - 8
Wet Film Thickness per layer	µm	50
Total dry film thickness	µm	25-30
Coverage	approx. kg/m²/DFT	0,2 kg / m² / 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 30°C
Overcoating Waiting Time	hours/23°C	no limitations
Chemical Curing	days	after final bake
Linear Thermal Expansion	µm	(VDE 0304): 33*10-6 mm/mm°C
Pore testing	Volts	67,5
Pendulum hardness acc. to König	6° sec	214
Shore D Hardness	Shore D	94
Adhesion Test	N/mm² [MPa]	> 20
Salt spray test	hours	under examination
Impact Strength	mm (1 kg)	> 1000
Surface smoothness (Ra)	µm Ø 3 readings	0,53
Surface tension	mN/m	> 28 < 35
Taber Abrasion resistance	CS17, 1kg load mg/1000r.	n/a
Crosscut	class	0
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.