

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.

Product name	Unit	SÄKAPHEN® SÄKALINE 200
Properties	-	Cold Cured Duroplast Coating
Resin base	-	Amine cured Epoxy system
Field of Application	-	Ceramic filled epoxy coating for the coating of boilers and other hot water tanks, industrial water and for sewage gas containers in the paper and pulp industry.
Cure Mechanism	-	Cold Cured Duroplast Coating
Quantity of components	-	2
Color	-	Light grey
Surface	-	Matt
General chemical resistance (All resistances have to be inquired separately!)	-	Resistant to various substances ranging from slightly sour to alkaline including all types of water, including brackish, river and sea water as well as deionized water.
pH Range	pH	n/a
Wet Film Thickness per layer	µm	400 µm
Total dry film thickness	µm	1000-2000
Coverage	approx. kg/m ² /DFT	2,0 kg / m ² / 1000µm
Surface Preparation	Sa	SA2 ½ - SA 3
Surface Profile	µm	40 - 60 µm
Temperature resistance dry (dry air oven)	°C	10°C - 150°C
Temperature resistance wet (water)	°C	10°C - 85°C
Resistance to water vapor diffusion	°C	≤ ΔT 30°C
Overcoating Waiting Time	hours/23°C	8-48
Chemical Curing	days	7-10
Linear Thermal Expansion	µm	n/a
Pore testing	Volts	4000
Pendulum hardness acc. to König	6° sec	174
Shore D Hardness	Shore D	84
Adhesion Test	N/mm ² [MPa]	20,65
Salt spray test	hours	15000
Impact Strength	mm (1 kg)	1000
Surface smoothness (Ra)	µm Ø 3 readings	0,29
Surface tension	mN/m	>28 <31
Abrasion resistance	mg/1000 r.	under examination
Crosscut	class	n/a
Heat conductivity Ø 12,7x2,0mm on C-Steel with 67,37 w/mK	W/mK	n/a