

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® HR 60® Extra TG
Properties	-	Cold Cured Duroplast Coating
Resin base	-	Amine cured Epoxy system
Field of Application	-	For the coating of water chambers, blowers, fans, and compressor housings, tanks without insulation, condensate reservoirs, desalination and water treatment plants and pipelines, for equipment where a coating resistant to water vapour diffusion is needed.
Cure Mechanism	-	Cold Cured Duroplast Coating
Quantity of components	-	2
Color	-	Dark brown
Surface	-	Matt
General chemical resistance (All resistances have to be inquired separately!)	-	Diffusion resistant and chemically resistant to all types of water, including brackish, river and sea water up to 100°C in permanent immersion, various substances ranging from sour to strongly alkaline, inorganic salts and their solutions, acidic aqueous solutions.
pH Range	pH	4 - 12
Wet Film Thickness per layer	µm	150
Total dry film thickness	µm	300-350
Coverage	approx. kg/m ² /DFT	1,6 kg / m ² / 350µm
Surface Preparation	Sa	SA2 ½ - SA 3
Surface Profile	µm	40 - 60 µm
Temperature resistance dry (dry air oven)	°C	-20°C to +120°C
Temperature resistance wet (water)	°C	-20°C to 105°C
Resistance to water vapor diffusion	°C	≤ ΔT 85°C
Overcoating Waiting Time	hours/23°C	12-48
Chemical Curing	days	8
Linear Thermal Expansion	µm	n/a
Pore testing	Volts	67,5
Pendulum hardness acc. to König	6° sec	63
Shore D Hardness	Shore D	84
Adhesion Test	N/mm ² [MPa]	> 8
Salt spray test	hours	n/a
Impact Strength	mm (1 kg)	1000
Surface smoothness (Ra)	µm Ø 3 readings	2,18
Surface tension	mN/m	>35 <38
Taber Abrasion resistance, CS17 wheel, 1kg	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