

Product name	Unit	<b>SÄKAPHEN® SÄKAFLAKE® 900 Weiß 3K</b>
Properties	-	<b>Cold Cured Duroplast Coating</b>
Resin base	-	<b>Novolac Vinyl Ester, glass flake filled</b>
Field of Application	-	<b>For the coating of chamber parts of heat exchangers, evaporators and air coolers, blowers, fans and compressor casings, flue gas funnels/channels, flue gas desulfurization equipment, wash towers, process and storage tanks, vessels and containers. For equipment requiring a coating resistant to water vapour diffusion also with high temperature gradients.</b>
Cure Mechanism	-	<b>Cold Cured Duroplast Coating</b>
Quantity of components	-	<b>3</b>
Color	-	<b>White</b>
Surface	-	<b>Matt rough</b>
General chemical resistance <b>(All resistances have to be inquired separately!)</b>	-	<b>The coating distinguishes itself through high temperature- and diffusion resistance and excellent chemical resistance against aggressive substances such as acids, bases, solvents, salt solvents, fluegas and all types of water, including brackish, river and sea water as well as deionized water.</b>
pH Range	pH	<b>1-12</b>
Wet Film Thickness per layer	µm	<b>500 µm</b>
Total dry film thickness	µm	<b>1500</b>
Coverage	approx. kg/m <sup>2</sup> /DFT	<b>3,3 kg / m<sup>2</sup> / 1500µm</b>
Surface Preparation	Sa	<b>SA2 ½ - SA 3</b>
Surface Profile	µm	<b>100</b>
Temperature resistance dry (dry air oven)	°C	<b>-20°C to +180°C</b>
Temperature resistance wet (water)	°C	<b>-20°C to 100°C</b>
Resistance to water vapor diffusion	°C	<b>≤ ΔT 85°C</b>
Overcoating Waiting Time	hours/23°C	<b>min. 12 hours,</b>
Chemical Curing	days	<b>8</b>
Linear Thermal Expansion	µm	<b>n/a</b>
Pore testing	Volts	<b>5000</b>
Pendulum hardness acc. to König	6° sec	<b>n/a</b>
Shore D Hardness	Shore D	<b>85</b>
Adhesion Test	N/mm <sup>2</sup> [MPa]	<b>10 - 15</b>
Salt spray test	hours	<b>1250</b>
Impact Strength	mm (1 kg)	<b>1 Mon 450 / 6 Mon 900</b>
Surface smoothness (Ra)	µm Ø 3 readings	<b>5,20</b>
Surface tension	mN/m	<b>&gt;38 &lt;41</b>
Taber Abrasion resistance, CS17 wheel, 1kg	mg/1000 r.	<b>under examination</b>
Crosscut	class	<b>2</b>
Heat conductivity Ø 12,7x2,0mm on C-Steel with 67,37 w/mK	W/mK	<b>n/a</b>

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