

Product name	Unit	<b>SÄKAPHEN® Si 14® EG/RE</b>
Properties	-	<b>Cold Cured Duroplast Coating</b>
Resin base	-	<b>Amine cured Epoxy system</b>
Field of Application	-	<b>Cold Cured repair material for SÄKAPHEN® Si 14® EG</b>
Cure Mechanism	-	<b>Cold Cured Duroplast Coating</b>
Quantity of components	-	<b>2</b>
Color	-	<b>Dark brown</b>
Surface	-	<b>Matt</b>
General chemical resistance <b>(All resistances have to be inquired separately!)</b>	-	<b>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.</b>
pH Range	pH	<b>4 - 12</b>
Wet Film Thickness per layer	µm	<b>150</b>
Total dry film thickness	µm	<b>300-350</b>
Coverage	approx. kg/m <sup>2</sup> /DFT	<b>1,6 kg / m<sup>2</sup> / 350µm</b>
Surface Preparation	Sa	<b>SA2 ½ - SA 3</b>
Surface Profile	µm	<b>40 - 60 µm</b>
Temperature resistance dry (dry air oven)	°C	<b>-20°C to +120°C</b>
Temperature resistance wet (water)	°C	<b>-20°C to 105°C</b>
Resistance to water vapor diffusion	°C	<b>≤ ΔT 85°C</b>
Overcoating Waiting Time	hours/23°C	<b>12-48</b>
Chemical Curing	days	<b>8</b>
Linear Thermal Expansion	µm	<b>n/a</b>
Pore testing	Volts	<b>67,5</b>
Pendulum hardness acc. to König	6° sec	<b>63</b>
Shore D Hardness	Shore D	<b>84</b>
Adhesion Test	N/mm <sup>2</sup> [MPa]	<b>&gt; 8</b>
Salt spray test	hours	<b>n/a</b>
Impact Strength	mm (1 kg)	<b>1000</b>
Surface smoothness (Ra)	µm Ø 3 readings	<b>2,18</b>
Surface tension	mN/m	<b>&gt;35 &lt;38</b>
Abrasion resistance	mg/1000 r.	<b>under examination</b>
Crosscut	class	<b>1</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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