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Product name	Unit	<b>SÄKAPHEN® Si 57® E/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 57® E</b>
Cure Mechanism	-	<b>Cold Cured Duroplast Coating</b>
Quantity of components	-	<b>2</b>
Color	-	<b>Red</b>
Surface	-	<b>Glossy</b>
General chemical resistance <b>(All resistances have to be inquired separately!)</b>	-	<b>Resistant to all types of water, including brackish, river and sea water as well as deionized water, various substances ranging from sour to strongly alkaline, inorganic salts and their solutions, fuels, acidic aqueous solution and concentrated hydrochloric acid (36%).</b>
pH Range	pH	<b>1-13</b>
Wet Film Thickness per layer	µm	<b>150</b>
Total dry film thickness	µm	<b>400-500</b>
Coverage	approx. kg/m <sup>2</sup> /DFT	<b>1,3 kg / m<sup>2</sup> / 500µm</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 70°C</b>
Resistance to water vapor diffusion	°C	<b>≤ ΔT 30°C</b>
Overcoating Waiting Time	hours/23°C	<b>8-24</b>
Chemical Curing	days	<b>7-10</b>
Linear Thermal Expansion	µm	<b>(VDE 0304): 4*10<sup>-6</sup> K-1</b>
Pore testing	Volts	<b>2000</b>
Pendulum hardness acc. to König	6° sec	<b>133</b>
Shore D Hardness	Shore D	<b>84</b>
Adhesion Test	N/mm <sup>2</sup> [MPa]	<b>&gt; 20</b>
Salt spray test	hours	<b>1250</b>
Impact Strength	mm (1 kg)	<b>550</b>
Surface smoothness (Ra)	µm Ø 3 readings	<b>0,40</b>
Surface tension	mN/m	<b>&gt;28 &lt;35</b>
Taber Abrasion resistance, CS17 wheel, 1kg	mg/1000 r.	<b>under examination</b>
Crosscut	class	<b>0</b>
Heat conductivity Ø 12,7x2,0mm on C-Steel with 67,37 w/mK	W/mK	<b>n/a</b>