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Product name	Unit	<b>SÄKAPHEN® SÄKAFLAKE® 957 Rot 3K</b>
Properties	-	<b>Cold Cured Duroplast Coating</b>
Resin base	-	<b>Epoxy Vinyl Ester, glass flake filled</b>
Field of Application	-	<b>For the lining of process equipment exposed to acids and caustic solution, such as vessels, ducts and for on-site maintenance projects, particularly in the chemical industry.</b>
Cure Mechanism	-	<b>Cold Cured Duroplast Coating</b>
Quantity of components	-	<b>3</b>
Color	-	<b>Red</b>
Surface	-	<b>Matt rough</b>
General chemical resistance <b>(All resistances have to be inquired separately!)</b>	-	<b>The coating distinguishes itself through temperature- and diffusion resistance as well as excellent chemical resistance with a specifically good resistance against sodium hypochlorite and with a strongly decreased blushing tendencies when exposed to strong acids.</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	Stunden/23°C	<b>min. 12 hours,</b>
Chemical Curing	Tage	<b>8</b>
Linear Thermal Expansion	µm	<b>n/a</b>
Pore testing	Volt	<b>not possible / conductive</b>
Pendulum hardness acc. to König	6° sec	<b>n/a</b>
Shore D Hardness	Shore D	<b>80</b>
Adhesion Test	N/mm <sup>2</sup> [MPa]	<b>7 - 11</b>
Salt spray test	hours	<b>n/a</b>
Impact Strength	mm (1 kg)	<b>1 Mon 450 / 6 Mon 750</b>
Surface smoothness (Ra)	µm Ø 3 readings	<b>3,50</b>
Surface tension	mN/m	<b>&gt;44 &lt;48</b>
Taber Abrasion resistance, CS17 wheel, 1kg	mg/1000 r.	<b>under examination</b>
Crosscut	Klasse	<b>2</b>
Heat conductivity Ø 12,7x2,0mm on C-Steel with 67,37 w/mK	W/mK	<b>n/a</b>