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| Product name  | Unit                              | SÄKAPHEN® SÄKALINE 200  |
|---|-----------------------------------|---|
| Properties  | -                                 | <b>Cold Cured Duroplast Coating</b>   |
| Resin base  | -                                 | <b>Amine cured Epoxy system</b>   |
| Field of Application  | -                                 | <b>Ceramic filled epoxy coating for the coating of boilers and other hot water tanks, industrial water and for sewage gas containers in the paper and pulp industry.</b>        |
| Cure Mechanism  | -                                 | <b>Cold Cured Duroplast Coating</b>   |
| Quantity of components  | -                                 | <b>2</b>  |
| Color   | -                                 | <b>Light grey</b>   |
| Surface   | -                                 | <b>Matt</b>   |
| General chemical resistance<br><b>(All resistances have to be inquired separately!)</b> | -                                 | <b>Resistant to various substances ranging from slightly sour to alkaline including all types of water, including brackish, river and sea water as well as deionized water.</b> |
| pH Range  | pH                                | <b>n/a</b>  |
| Wet Film Thickness per layer  | µm                                | <b>400 µm</b>   |
| Total dry film thickness  | µm                                | <b>1000-2000</b>  |
| Coverage  | approx.<br>kg/m <sup>2</sup> /DFT | <b>2,0 kg / m<sup>2</sup> / 1000µm</b>  |
| Surface Preparation   | Sa                                | <b>SA2 ½ - SA 3</b>   |
| Surface Profile   | µm                                | <b>40 - 60 µm</b>   |
| Temperature resistance dry<br>(dry air oven)  | °C                                | <b>10°C - 150°C</b>   |
| Temperature resistance wet<br>(water)   | °C                                | <b>10°C - 85°C</b>  |
| Resistance to water vapor diffusion   | °C                                | <b>≤ ΔT 30°C</b>  |
| Overcoating Waiting Time  | hours/23°C                        | <b>8-48</b>   |
| Chemical Curing   | days                              | <b>7-10</b>   |
| Linear Thermal Expansion  | µm                                | <b>n/a</b>  |
| Pore testing  | Volts                             | <b>4000</b>   |
| Pendulum hardness acc. to König   | 6° sec                            | <b>174</b>  |
| Shore D Hardness  | Shore D                           | <b>84</b>   |
| Adhesion Test   | N/mm <sup>2</sup> [MPa]           | <b>20,65</b>  |
| Salt spray test   | hours                             | <b>15000</b>  |
| Impact Strength   | mm (1 kg)                         | <b>1000</b>   |
| Surface smoothness (Ra)   | µm<br>Ø 3 readings                | <b>0,29</b>   |
| Surface tension   | mN/m                              | <b>&gt;28 &lt;31</b>  |
| Taber Abrasion resistance, CS17<br>wheel, 1kg   | mg/1000 r.                        | <b>50</b>   |
| Crosscut  | class                             | <b>n/a</b>  |
| Heat conductivity<br>Ø 12,7x2,0mm on C-Steel with<br>67,37 w/mK                         | W/mK                              | <b>n/a</b>  |