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|---|--------------------------------|---|
| Product name | Unit | SÄKAPHEN® SÄKATONIT® K 80 LS |
| Properties | - | Cold Cured Duroplast Coating |
| Resin base | - | Amine cured Epoxy system |
| Field of Application | - | For the coating of tube sheets in power plants, in water treatment and desalination plants and in the chemical industry. |
| Cure Mechanism | - | Cold Cured Duroplast Coating |
| Quantity of components | - | 2 |
| Color | - | Red |
| Surface | - | Glossy |
| General chemical resistance (All resistances have to be inquired separately!) | - | 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. |
| pH Range | pH | 1-13 |
| Wet Film Thickness per layer | µm | 150 |
| Total dry film thickness | µm | to the length of the jet out tubes |
| Coverage | approx. kg/m ² /DFT | 1,3 kg / m² / 500µm |
| Surface Preparation | Sa | SA2 ½ - SA 3 |
| Surface Profile | µm | 40 - 60 µm |
| Temperature resistance dry (dry air oven) | °C | -20°C to +90°C |
| Temperature resistance wet (water) | °C | -20°C to 70°C |
| Resistance to water vapor diffusion | °C | ≤ ΔT 30°C |
| Overcoating Waiting Time | hours/23°C | 8-24 |
| Chemical Curing | days | 7-10 |
| Linear Thermal Expansion | µm | n/a |
| Pore testing | Volts | n/a |
| Pendulum hardness acc. to König | 6° sec | 147 |
| Shore D Hardness | Shore D | 83 |
| Adhesion Test | N/mm ² [MPa] | 13 troweling) 17 (primer, topcoat) |
| Salt spray test | hours | n/a |
| Impact Strength | mm (1 kg) | 1000 |
| Surface smoothness (Ra) | µm Ø 3 readings | 0,195 |
| Surface tension | mN/m | <28 |
| Abrasion resistance | mg/1000 r. | under examination |
| Crosscut | class | n/a |
| Heat conductivity Ø 12,7x2,0mm on C-Steel with 67,37 w/mK | W/mK | n/a |