

## TECHNICAL DATA FOR QUARTZ BASED ENGINEERED STONES

Product: **LYSKAMM**

Brand name: **SM QUARTZ®**

Composition: **10 - 13 % Resin, 87 - 90 % Quartz**

Surface finish: **Polished, Silk**

Slabs size (cm): **320x155, 330x165**

Slabs thickness\* (cm): **2,0 - 3,0**



\* Other sizes and thicknesses available on request

| Characteristics                      | Standard    | Value                                                  | Notes                          |
|--------------------------------------|-------------|--------------------------------------------------------|--------------------------------|
| Apparent density                     | EN 14617-1  | 2300 - 2400 Kg/m <sup>3</sup>                          |                                |
| Water absorption                     | EN 14617-1  | ≤ 0,10 %                                               |                                |
| Flexural strength                    | EN 14617-2  | ≥ 65 Mpa                                               |                                |
| Abrasion resistance                  | EN 14617-4  | 28 - 30 mm                                             |                                |
| Frost resistance                     | EN 14617-5  | KM <sub>f25</sub> 0,9 - 1,2                            |                                |
| Thermal shock resistance             | EN 14617-6  | $\Delta m\% \leq 0,07\%$                               | Test temperature: 70°C         |
|                                      |             | $\Delta R_{f,20} \leq 20\%$                            |                                |
| Impact resistance                    | EN 14617-9  | 2,5 - 4,0 J                                            | For thickness 12 mm            |
|                                      |             | ≥ 8,0 J                                                | For thickness 20 mm, 30 mm     |
| Chemical resistance                  | EN 14617-10 | C4                                                     |                                |
| Linear thermal expansion coefficient | EN 14617-11 | $28 - 38 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$ |                                |
| Dimensional stability                | EN 14617-12 | Classe A (<0,3 mm)                                     | Referred to tiles 30x30x1,2 cm |
| Electrical resistivity               | EN 14617-13 | $\rho_s \geq 10^{10} \Omega$                           | Referred to surface            |
|                                      |             | $\rho_v \geq 10^8 \Omega \text{ m}$                    | Referred to volume             |
| Compression resistance               | EN 14617-15 | 150 - 250 MPa                                          |                                |
| Mohs hardness                        | EN 101      | up to 7 Mohs                                           |                                |
| Thermal conductivity                 | EN 12524    | 1,3 W/(m K)                                            | From tabulated values          |
| Reaction to fire                     | ASTM E84    | Class A                                                | US standard                    |
| Reaction to fire                     | EN 13501-1  | A2-s2,d0                                               | Walls                          |
| Reaction to fire                     | EN 13501-1  | A2-s1                                                  | Flooring                       |
| Slip resistance                      | EN 14231    | ≥ 35 (Dry)                                             |                                |
|                                      |             | ≥ 3 (Wet)                                              |                                |
| Slip resistance                      | DIN 51130   | R9                                                     | For Honed H9                   |