

## TECHNICAL DATA FOR QUARTZ BASED ENGINEERED STONES

|                        |   |
|------------------------|---|
| Product:               | <b>CITY BEIGE</b>                       |
| Brand name:            | <b>SM QUARTZ®</b>                       |
| Composition:           | <b>7 - 10 % Resin, 90 - 93 % Quartz</b> |
| Surface finish:        | <b>Polished, Silk</b>                   |
| Slabs size (cm):       | <b>320x155, 330x165</b>                 |
| Slabs thickness* (cm): | <b>2,0 - 3,0</b>                        |



\* Other sizes and thicknesses available on request

| Characteristics                      | Standard    | Value                                       | Notes                          |
|--------------------------------------|-------------|---|--------------------------------|
| Apparent density                     | EN 14617-1  | 2350 - 2450 Kg/m <sup>3</sup>               |                                |
| Water absorption                     | EN 14617-1  | ≤ 0,10 %                                    |                                |
| Flexural strength                    | EN 14617-2  | 45 - 60 Mpa                                 |                                |
| Abrasion resistance                  | EN 14617-4  | 27 - 29 mm                                  |                                |
| Frost resistance                     | EN 14617-5  | KM <sub>f25</sub> 0,9 - 1,2                 |                                |
| Thermal shock resistance             | EN 14617-6  | Δm% ≤ 0,07 %                                | Test temperature: 70°C         |
|                                      |             | ΔR <sub>f,20</sub> ≤ 20 %                   |                                |
| Impact resistance                    | EN 14617-9  | 2,0 - 3,0 J                                 | For thickness 12 mm            |
|                                      |             | ≥ 4,0 J                                     | For thickness 20 mm, 30 mm     |
| Chemical resistance                  | EN 14617-10 | C4  |                                |
| Linear thermal expansion coefficient | EN 14617-11 | 21 - 32 x 10 <sup>-6</sup> °C <sup>-1</sup> |                                |
| Dimensional stability                | EN 14617-12 | Classe A (<0,3 mm)                          | Referred to tiles 30x30x1,2 cm |
| Electrical resistivity               | EN 14617-13 | ρ <sub>s</sub> ≥ 10 <sup>10</sup> Ω         | Referred to surface            |
|                                      |             | ρ <sub>v</sub> ≥ 10 <sup>8</sup> Ω 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 <sub>fl</sub> -s1                        | Flooring                       |
| Slip resistance                      | EN 14231    | ≥ 35 (Dry)                                  |                                |
|                                      |             | ≥ 3 (Wet)                                   |                                |
| Slip resistance                      | DIN 51130   | R9  | For Honed H9                   |