QUARTZFORMS
THE STONE EVOLUTION

**physical properties of quartz agglomerates**

| characteristics | norme di riferimento | results |
|---|---|---|
| density | ASTM C 97 | 2.27 - 2.48 |
| flexural strength (Modulus of rupture) | ATM C 880 | 7.74 - 7.82 PSI (wet)<br>4.87 - 8.31 PSI (dry) |
| water absorption | ASTM C 97 | .005 - .02 % |
| compressive strenght | ASTM C 170 | 22.08 - 29.89 PSI (wet)<br>15.76 - 29.89 PSI (dry) |
| breaking load | ASTM 648 | 1207 1340 Lbs |
| coefficient of thermal expansion | ASTM C 531-0 | 20.1 to 31.9<br>20° to 100°C AT (10-6/C-1) |
| hardness | EN 101 | 6 - 7 Moh's Scale |
| tensile strenght | ASTM D 638 | 17.8 MPa |
| resistance to deep abrasion | ASTM C241 | 58 - 63 Index |
| wear resistance of the surface (abrasive power Index) | ASTM C 501 | 113 to 212 |
| slip resistance | DIN 51130 | V classification wet pendulum |
| resistance to chemical acids | ASTM C 560 | not affected |
| bacteria & fungal resistance | ASTM G 21 | no growth |
| toxicity | compiles with the standard 51 NSF/ANSI food equipment materials; | |
| suitability for use in kitchen benchtops | EMPFEHLUNG XII BGVV | suitable |