

TECHNICAL DATA SHEET OF QUARTZ STONE

| No | Items | Standard of slab | Standard of prefab | Method |
|----|--------------------------|--|--|---------------|
| 1 | Size | + 20 mm | Average: ± 1.0 mm And do customer requests for each size: ± 0.5 or ± 3 mm in blueprint | EN 14617-16 |
| 2 | Thickness | +0.5/ - 1.0mm | +0.5/ - 1.0mm | EN 14617-16 |
| 3 | Straightness of sides | | ≤ 0.2 mm | EN 14617-16 |
| 4 | Rectangularity of Sides | $\pm 0.1\%$ | $\pm 0.15\%$ | EN 14617-16 |
| 5 | Sides curvature | $\pm 0.1\%$ | $\pm 0.1\%$, max 2mm | EN 14617-16 |
| 6 | Water absorption | $\leq 0.05\%$ | $\leq 0.05\%$ | ASTM C97 |
| 7 | Modulus of rupture | ≥ 40 Mpa | ≥ 40 Mpa | ASTM C99 |
| 8 | Abrasion resistance | Max 175 mm ³ | Max 175 mm ³ | ASTM C1353 |
| 9 | Specific Gravity | 2.3 - 2.4 g/cm ³ | 2.3 - 2.4 g/cm ³ | ASTM C373-18 |
| 10 | Thermal shock resistance | No visible defect | No visible defect | ASTM C484-20 |
| 11 | Stain resistance | For gloss: $\geq 40^{\circ}$ Use common detergents to clean stains (soft drinks, tea, coffee, soy sauce, wine) within 24 hours. | For gloss: $\geq 40^{\circ}$ Use common detergents to clean stains (soft drinks, tea, coffee, soy sauce, wine) within 24 hours. | Royal Inhouse |
| 12 | Chemical resistance | Not affected | Not affected | ASTM C650-20 |
| 13 | Thermal expansion | not required (result: $43 \times 10^{-6}/^{\circ}\text{C}$) | not required (result: $43 \times 10^{-6}/^{\circ}\text{C}$) | ASTM C531 |

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