

EST / 1989  
**MANDARIN STONE**

**PRODUCT SPECIFICATION**

**CLEVELAND PORCELAIN RANGE**

| Technical Features                | Reference    | Required Standards             | Average Value  |
|-----------------------------------|--------------|--------------------------------|--|
| Dimensions of sides               | ISO 10545-2  | $\pm 0.60\%^*$                 | Conforms   |
| Thickness                         |              | $\pm 5.00\%$                   | Conforms   |
| Straightness                      |              | $\pm 0.50\%$                   | Conforms   |
| Squareness                        |              | $\pm 0.60\%$                   | Conforms   |
| Flatness                          |              | $\pm 0.50\%$                   | Conforms   |
| Water Absorption                  | ISO 10545-3  | $\leq 0.50\%$                  | $\leq 0.10\%$  |
| Breaking Strength                 | ISO 10545-4  | $S \geq 1300 \text{ N}$        | Conforms   |
| Modulus of Rupture                |              | $R \geq 35 \text{ N/mm}^2$     | Conforms   |
| Resistance To Abrasion            | ISO 10545-7  | Declared Value                 | PEI 3  |
| Linear Heat Expansion Coefficient | ISO 10545-8  | Declared Value                 | $60 \times 10^{-7} - 75 \times 10^{-7} \text{ K}^{-1}$ |
| Thermal Shock Resistance          | ISO 10545-9  | According to ISO 10545-1       | Resistant  |
| Frost Resistance                  | ISO 10545-12 | Required                       | Resistant  |
| Slip resistance                   | BS EN 7976-2 | Slip Resistant ( $\geq 0.36$ ) | NPD  |
| Non-slip classification (10mm)    | DIN 51130    | Declared Value                 | R10  |
|                                   | DIN 51097    |                                | NPD  |
| Non-slip classification (20mm)    | DIN 51130    | Declared Value                 | R11  |
|                                   | DIN 51097    |                                | NPD  |
| Resistance To Chemicals           | ISO 10545-13 | Declared Value                 | GLA/GHA/GA   |
| Resistance to Stains              | ISO 10545-14 | Class $\geq 3$                 | Conforms   |