


# TECHNICAL CHARACTERISTICS



| CHARACTERISTIC  | ASTM METHOD             | INDUSTRY STANDARD  | EN METHOD | ISO METHOD         | INDUSTRY STANDARD  |
|---|-------------------------|--|-----------|--------------------|--|
| Thickness   | ASTM C 499              | -  |           | ISO 10545-2        | - ¾"   |
| Weight  | -                       | -  |           |                    | - 9 lb/sq. ft  |
| Water absorption  | ASTM C 373-88           | ≤ 0,5%   |           | ISO 10545-3        | E ≤ 0,5% ≤ 0.1%  |
|  Porcelain | ASTM C 373              | 0,5%   |           |                    | Meeting the water absorption criteria of the American national standard PTCA |
| Breaking strenght   | ASTM 1505               | 2000 lbf (10.9 kN)   |           | ISO 10545-4        | Sp > / = 7,5mm<br>S > / = 1300 N > 2500 lbf                                  |
| Moduls of rupture   | -                       | -  |           | ISO 10545-4        | > 7000 psi   |
| Static load capacity (24"x24" pavers)   | -                       | -  | EN 12825  |                    | center > 1700 lbf<br>side center > 1200 lbf<br>diagonal > 1500 lbf           |
| Dynamic load capacity - hand object impact test   | -                       | -  | EN 12825  |                    | - Test not passed  |
| Dynamic load capacity - soft object impact test   | -                       | -  | EN 12825  |                    | - Test Passed  |
| Bending strenght  | -                       | -  | EN 1339   |                    | Kn 14,38 Class 14  |
| Impact resistance   | -                       | -  |           | ISO 10545-5        | - > 0.55   |
| Resistance to abrasion  | ASTM C 1243-93          | Surface wear-resistance properties of glazed vitreous and porcelain tiles  |           | ISO 10545-6        | < 175 mm <sup>2</sup> conforms   |
| Frost resistant   | ASTM C1026              | A tile sample is subjected to repeated porcesses of freezing and thawing. Sample must show no visible defects.               |           | ISO 10545-12       | requested resistant  |
| Resistance to thermal shock   | ASTM C 484              | requested  |           | ISO 10545-9        | requested resistant  |
| Resistance to chemicals   | ASTM C 650              | A tile sample is placed in continuous contact with a variety of chemicals for 24 hours. No sample show visible defects.      |           | ISO 10545-13       | UB min UA  |
| Resistance to acids and alkalis   | -                       | -  |           | ISO 10545-13       | - ULA/UHA  |
| Resistance to staining  | ASTM C 1378             | Surfaces are exposed to staining agents for 24 hours followed by four cleaning procedures. Results are recirdedpost cleaning |           | ISO 10545-14       | - Class 5  |
| Fire resistance   | -                       | -  | EN 3501-1 |                    | - A1-A1 FL   |
| Barefoot ramp test  | ANSI A 326.3            | -  |           | DIN 51097          | - A+B+C  |
| Shod rampt test   | -                       | -  |           | DIN 51130          | - R11  |
| Dynamic coefficient of friction   | ANSI A137 / ASTM A326.3 | -  |           | BOT 3000           | - > 0.60 wet<br>> 0.60 dry   |
| Slip resistance   | -                       | -  |           | DM 236/89 B.C.R.A. | - > 0.40   |