



# R.A.K. CERAMICS



Date: 01/04/2009

## TECHNICAL SPECIFICATION

**MODEL** : 6GPD-57 R  
**NOMINAL SIZE** : 60 X 60 CM (RECTIFIED)  
**THICKNESS** : 10.5 MM  
**TYPE OF PRODUCT** : GRES PORCELLANATO TILE  
**NATURE OF SURFACE** : UNGLAZED & RUSTIC  
**GROUP** : BIa

| TEST DESCRIPTION  | STANDARD TEST METHOD | STANDARD REQUIREMENTS ISO 13006 / EN 14411 | R.A.K. CERAMICS SPECIFICATION  |
|---|----------------------|--|--------------------------------|
| Length & Width  | BS EN ISO 10545 - 2  | ± 0.6 %                                    | ± 0.1 %                        |
| Thickness   | BS EN ISO 10545 - 2  | ± 5 %                                      | ± 5 %                          |
| Straightness of Sides                                   | BS EN ISO 10545 - 2  | ± 0.5 %                                    | ± 0.2 %                        |
| Rectangularity  | BS EN ISO 10545 - 2  | ± 0.6 %                                    | ± 0.2 %                        |
| Surface Flatness  | BS EN ISO 10545 - 2  | ± 0.5 %                                    | ± 0.2 %                        |
| Water Absorption  | BS EN ISO 10545 - 3  | ≤ 0.5 %                                    | ≤ 0.05 %                       |
| Breaking Strength                                       | BS EN ISO 10545 - 4  | ≥ 1300 N                                   | ≥ 2200 N                       |
| Modulus of Rupture                                      | BS EN ISO 10545 - 4  | ≥ 35 N/mm <sup>2</sup>                     | ≥ 45 N/mm <sup>2</sup>         |
| Resistance to Deep Abrasion                             | BS EN ISO 10545 - 6  | ≤ 175 mm <sup>3</sup>                      | ≤ 150 mm <sup>3</sup>          |
| Coefficient of Linear Thermal Expansion                 | BS EN ISO 10545 - 8  | Test method available                      | ≤ 7 X 10 <sup>-6</sup> /°C     |
| Resistance to Thermal Shock                             | BS EN ISO 10545 - 9  | Test method available                      | No visible defect              |
| Frost Resistance  | BS EN ISO 10545 - 12 | Required                                   | No visible damage              |
| Resistance to household chemicals & swimming pool salts | BS EN ISO 10545 - 13 | Minimum Class UB                           | Class UA<br>No visible effect  |
| Resistance to low concentrations acids & alkalis        | BS EN ISO 10545 - 13 | Manufacturer to state classification       | Class ULA<br>No visible effect |
| Resistance to high concentrations acids & alkalis       | BS EN ISO 10545 - 13 | Test method available                      | Class UHA<br>No visible effect |
| Resistance to Stains                                    | BS EN ISO 10545 - 14 | Test method available                      | Min. Class 2<br>Stains removed |
| Slip Resistance (Ramp Test)                             | DIN 51130            | -  | R11                            |

Signed:  
For R.A.K. Ceramics

RUEL PEREZ  
Asst. General Manager  
(QA/QEHS)

