

# Certificate of Technical Specifications


**portinari**

ambientes com emoção

PRODUCT: TIMELESS SGR POL  
 FORMAT: 1000.0 X 1000.0mm X 9 mm  
 CONTAINS: 2 Pieces 2,00 m<sup>2</sup> 21,53 SQFT  
 GROUP: Bla

| Technical Characteristics                        | ISO      | Req.             | Unit              | Specification |
|--|----------|------------------|-------------------|---------------|
| DIM. VAR. IN REL. W. OF THE GREATER SIDE         | 10545-2  | ±1.0             | mm                | ±1.0          |
| DIM. VAR. IN REL. W. OF THE MINOR SIDE           | 10545-2  | ±1.0             | mm                | ±1.0          |
| THICKNESS VARIATION                              | 10545-2  | ±0.45            | mm                | ±0.45         |
| STRAIGHTNESS OF THE GREATER SIDE                 | 10545-2  | ±0.80            | mm                | ±0.80         |
| STRAIGHTNESS OF THE MINOR SIDE                   | 10545-2  | ±0.80            | mm                | ±0.80         |
| DEVIATION FROM ORTHOGONALITY OF THE GREATER SIDE | 10545-2  | ±1.50            | mm                | ±1.50         |
| DEVIATION FROM ORTHOGONALITY OF THE MINOR SIDE   | 10545-2  | ±1.50            | mm                | ±1.50         |
| CENTRAL DIAGONAL CURVATURE DEVIATION             | 10545-2  | ±1.80            | mm                | ±1.80         |
| DEVIATION OF THE CURVATURE OF THE SIDES          | 10545-2  | ±1.80            | mm                | ±1.80         |
| DEVIATION OF THE CURVATURE OF THE SIDES          | 10545-2  | ±1.80            | mm                | ±1.80         |
| BENDING OVER DIAGONAL                            | 10545-2  | ±1.80            | mm                | ±1.80         |
| QUALITY OF SURFACE                               | 10545-2  | ≥95              | %                 | ≥95           |
| WATER ABSORPTION                                 | 10545-3  | ≤0.5             | %                 | ≤0.5          |
| RESISTANCE TO BENDING                            | 10545-4  | ≥35              | N/mm <sup>2</sup> | ≥35           |
| BREAKING STRENGTH                                | 10545-4  | ≥1300            | N                 | ≥1300         |
| CLASS OF USAGE                                   |          | Specify          | Use               | 5             |
| THERMAL SHOCK RESISTANCE                         | 10545-9  | -                | -                 | -             |
| LINEAR EXPANSION COEFFICIENT X 10 <sup>-6</sup>  | 10545-8  | -                | °C <sup>-1</sup>  | -             |
| MOISTURE EXPANSION                               | 10545-10 | -                | mm/m              | ≤0.30         |
| GRAZING RESISTANCE                               | 10545-11 | -                | -                 | OK            |
| RESISTANCE TO CHEMICALS                          | 10545-13 | Minimum Class GB | -                 | GA            |
| RESISTANCE ATTACKS ACID/ALKALINE                 | 10545-13 | Specify          | -                 | GLB           |
| SURFACE RESISTANCE TO STAINS                     | 10545-14 | Minimum Class 3  | -                 | Min. Class 3  |
| COEFFICIENT OF FRICTION WET                      | NBR16919 | Specify          |                   | -             |
| CHANGES IN HUE                                   |          |                  |                   | V3            |

Note: Product in accordance with ABNT NBR 13006 standard  
 Reaction to fire evaluation (NBR15575): Class I (non-combustible)  
 USE 5 – All residential and commercial areas with moderate traffic.

  
 Jamilson Pinter Júnior  
 Responsável Técnico RC1 e RC2

  
 Galdino da Luz  
 Responsável Técnico RC3 e RC4