

# Certificate of Technical Specifications

**portinari**  
ambientes com emoção

PRODUCT: GALES SBE NAT  
FORMAT: 877,0MMX877,0MMX 9,5MM

CONTAINS: 2 Pecas 1,54 m2 16,58 SQFT

GROUP: Bla

| Specifications                                   | ISO       | Dem and.     | Pcs.  | Specification |
|--------------------------------------------------|-----------|--------------|-------|---------------|
| DIM. VAR. IN REL. W. OF THE GREATER SIDE         | 10545-2   | ±1.0         | mm    | ±0.5          |
| DIM. VAR. IN REL. W. OF THE MINOR SIDE           | 10545-2   | ±1.0         | mm    | ±0.5          |
| 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/mm2 | ≥35           |
| BREAKING STRENGTH                                | 10545-4   | ≥1300        | N     | ≥1300         |
| CLASS OF USAGE                                   |           | Specify      | USE:  | 5             |
| THERMAL SHOCK RESISTANCE                         | 10545-9   | -            | -     | -             |
| LINEAR EXPANSION COEFFICIENT X 10-6              | 10545-8   | -            | C-1   | -             |
| MOISTURE EXPANSION                               | 10545-10  | -            | mm/m  | ≤0.30         |
| GRAZING RESISTANCE                               | 10545-11  | Required     | -     | OK            |
| RESISTANCE TO CHEMICALS                          | 10545-13  | Min.Class GB | -     | GA            |
| RESISTANCE ATTACKS ACID/ALKALINE                 | 10545-13  | Specify      | -     | GLB           |
| SURFACE RESISTANCE TO STAINS                     | 10545-14  | Min. Class 3 | -     | 4             |
| DYNAMIC COEFFICIENT OF FRICTION (DCOF)           | NBR 16919 | Specify      |       | ≥0.4          |
| CHANGES IN HUE                                   |           |              |       | V3            |

Note: Product in compliance with ABNT NBR 13006 standard  
Reaction to Fire Rating (NBR15575): Class I (non-combustible)  
USE 5 - Use in all residential premises and medium traffic commercial environments.

  
Andre Bez Batti  
Responsável Técnico