

# Certificate of Technical Specifications

**portinari**

ambientes com emoção

PRODUCT: BRAVIO GN HARD  
 FORMAT: 201.3 X 201.3mm X 7.4 mm CONTAINS: 25 Pieces 1,01 m2 10,87 SQFT GROUP: Bla

Technical Characteristics	ISO	Req.	Unit	Specification
DIM. VAR. IN REL. W. OF THE GREATER SIDE	10545-2	±1.20	mm	±1.20
DIM. VAR. IN REL. W. OF THE MINOR SIDE	10545-2	±1.20	mm	±1.20
THICKNESS VARIATION	10545-2	±5.0	%	±5.0
STRAIGHTNESS OF THE GREATER SIDE	10545-2	±1.0	mm	±1.0
STRAIGHTNESS OF THE MINOR SIDE	10545-2	±1.0	mm	±1.0
DEVIATION FROM ORTHOGONALITY OF THE GREATER SIDE	10545-2	±1.0	mm	±1.0
DEVIATION FROM ORTHOGONALITY OF THE MINOR SIDE	10545-2	±1.0	mm	±1.0
CENTRAL DIAGONAL CURVATURE DEVIATION	10545-2	±1.42	mm	±1.42
DEVIATION OF THE CURVATURE OF THE SIDES	10545-2	±1.0	mm	±1.0
DEVIATION OF THE CURVATURE OF THE SIDES	10545-2	±1.0	mm	±1.0
BENDING OVER DIAGONAL	10545-2	±1.42	mm	±1.42
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	≥700	N	≥700
CLASS OF USAGE			USE	6
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	-	-	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	-	4
COEFFICIENT OF FRICTION WET	NBR16919	Specify		≥0.5
CHANGES IN HUE				V3

Note: Product in accordance with ABNT NBR 13006 standard  
 Reaction to fire evaluation (NBR15575): Class I (non-combustible)  
 USE 6 - All residential and commercial areas with intense traffic.

  
 Andre Bez Batti  
 Responsável Técnico