

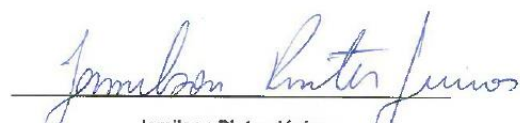
# Certificate of Technical Specifications

ceusa

PRODUCT: VENATINO ONDAS BRILHANTE  
 FORMAT: 432x910x10,8 mm CONTAINS: 5 Pieces 1,96 m<sup>2</sup> 21,09 SQFT GROUP: BILL

Technical Characteristics	ISO	Req.	Unit	Specification
DIM. VAR. IN REL. W. OF THE GREATER SIDE	10545-2	±1,0	mm	±0.50
DIM. VAR. IN REL. W. OF THE MINOR SIDE	10545-2	±1,0	mm	±0.50
THICKNESS VARIATION	10545-2	±0,50	mm	±0,50
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	±1,35	mm	±1,35
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	±1,35	mm	±1,35
BENDING OVER DIAGONAL	10545-2	±1,8	mm	±1,8
QUALITY OF SURFACE	10545-2	≥95	%	≥95
WATER ABSORPTION	10545-3	≥10	%	≥10
RESISTANCE TO BENDING	10545-4	≥15	N/mm <sup>2</sup>	≥15
BREAKING STRENGTH	10545-4	≥600	N	≥600
CLASS OF USAGE	10545-7	-	Use:	1
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	Minimum Class GB	-	GA
RESISTANCE ATTACKS ACID/ALKALINE	10545-13	Specify	-	GLB
SURFACE RESISTANCE TO STAINS	10545-14	Minimum Class 3	-	3
COEFFICIENT OF FRICTION WET	NBR 16919	Specify	-	-
CHANGES IN HUE				V3

Note: Product in accordance with ABNT NBR 13006 standard  
 Reaction to fire evaluation (NBR15575): Class I (non-combustible)  
 Use 1- Use on internal walls

  
 Jamilson Pinter Júnior  
 Responsável Técnico RC1 e RC2

  
 Giladino da Luz  
 Responsável Técnico RC3 e RC4