

TECHNICAL SHEET

BRAND	CERAMICAS APARICI, S.A. Ctra. Castellón - Alcora, km 12 12130 San Juan de Moró (Castellón) SPAIN
PRODUCT	NAME: JOLIET SAPPHIRE & JOLIET SAPPHIRE PRISMA SIZE (cm): 7,4X29,75
TYPE OF PRODUCT	TYPE: Dry-pressed ceramic tiles, with water absorption E_b > 10% TYPE WHITE BODY USE: For internal and external walls. GROUP: BIII
REFERENCED RULES	ISO-13006:2012 and UNE EN 14411:2013

Characteristics	Test Method	Requirements	Values Compliance
A) DIMENSIONS AND SURFACE QUALITY			
Length and width			
The work size shall be chosen as follows for:			
a) modular tiles:	EN ISO 10545-2	In order to allow a nominal joint width of between 2 and 5 mm	PASS
b) non-modular tiles:	EN ISO 10545-2	So that the difference between the work size and the nominal size is not more than 2% (maximum 5 mm)	PASS
The permissible deviation of the average size for each tile (2 or 4 sides) from the work size (W) Requirements for nominal size N 7cm ≤ N < 15cm N ≥ 15 cm	EN ISO 10545-2	± 0,75 mm ± 2,0 mm ó ± 0,5%	PASS
Thickness			
a) The thickness shall be specified		Declared thickness	SEE BOX
b) The permissible deviation, of the average thickness of each tile from the work size thickness Requirements for nominal size N 7cm ≤ N < 15cm N ≥ 15 cm	EN ISO 10545-2	± 0,5 mm ± 0,5 mm ó ± 10%	PASS

Straightness of sides (facial sides)			
The maximum permissible deviation from straightness, related to the corresponding work sizes. Requirements for nominal size N 7cm ≤ N < 15cm N ≥ 15 cm	EN ISO 10545-2	± 0,5 mm ± 1,5 mm ó ± 0,3%	PASS
Rectangularity			
The maximum permissible deviation from rectangularity, related to the corresponding work sizes. Requirements for nominal size N 7cm ≤ N < 15cm N ≥ 15 cm	EN ISO 10545-2	± 0,75 mm ± 2,0 mm ó ± 0,5%	PASS
Surface flatness			
The maximum permissible deviation from flatness a) centre curvature, related to diagonal calculated from the work sizes. Requirements for nominal size N 7cm ≤ N < 15cm N ≥ 15 cm	EN ISO 10545-2	+ 0,75 / - 0,50 mm + 2,0 / - 1,5 mm ó + 0,5% / - 0,3%	PASS
b) edge curvature, related to the corresponding work sizes. Requirements for nominal size N 7cm ≤ N < 15cm N ≥ 15 cm	EN ISO 10545-2	+ 0,75 / - 0,50 mm + 2,0 / - 1,5 mm ó + 0,5% / - 0,3%	PASS
c) warpage, related to diagonal calculated from the work sizes. Requirements for nominal size N 7cm ≤ N < 15cm N ≥ 15 cm	EN ISO 10545-2	± 0,75 mm ± 2,0 mm ó ± 0,5%	PASS
Surface quality			
	EN ISO 10545-2	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.	PASS
B) PHYSICAL PROPERTIES			
Water absorption (in % by mass)			
	EN ISO 10545-3	E _b > 10%. When the average exceeds 20%, this shall be indicated. Individual minimum value 9%)	PASS

Breaking strength, for:			
a) Thickness $\geq 7,5$ mm	EN ISO 10545-4	Not less than 600 N	>600 N
b) Thickness $< 7,5$ mm	EN ISO 10545-4	Not less than 200 N	>200 N
Flexural tensile strength or modulus of rupture			
a) Thickness $\geq 7,5$ mm	EN ISO 10545-4	Minimum 12 N/mm ²	PASS
b) Thickness $< 7,5$ mm	EN ISO 10545-4	Minimum 15 N/mm ²	PASS
Coefficient of linear thermal expansion			
from ambient temperature to 100° C	EN ISO 10545-8	Declared Value	5.5-5.3 10⁻⁶/°C
Bond strength/adhesion , for:			
cementitious adhesives	EN 12004:2007 +A1: 2012, 4.1	Declared Value	Type C1 >0.5 N/mm²
Reaction to fire			
		Class A1	A1
C) CHEMICAL PROPERTIES			
Chemical resistance			
<p>In general, you can use any non-aggressive and neutral pH product.</p> <p>In general, we recommend the use of ammonia-based products (NH₃) diluted in water, never directly on the piece, is recommended.</p> <p>One cannot use chemically aggressive products.</p> <p>One cannot products with hydrochloric acid (HCl). The remaining acid products should be used with caution in very diluted concentrations.</p> <p>Citric acid and other acidic food products leave stains if left too long to act on the tile. They must be removed as soon as possible.</p> <p>The use of powder products of abrasive action is not recommended.</p> <p>A damp cloth and neutral liquid soap will be enough.</p>			