

TECHNICAL SHEET

BRAND	CERAMICAS APARICI, S.A. Ctra. Castellón - Alcora, km 12 12130 San Juan de Moró (Castellón) SPAIN
PRODUCT	NAME: LINED RIBBON HEXAGON FORMAT (cm): 25 x 29
TYPE OF PRODUCT	TYPE: Dry-pressed ceramic tiles, with water absorption $E_b \leq 0,5\%$ PORCELAIN TILE USE: For internal and external walls and floorings GROUP BI_a
REFERENCED RULES	ISO-13006:2012 and UNE EN 14411:2013

Characteristics	Test Method	Requirements	Values Compliance
A) DIMENSIONS AND SURFACE QUALITY			
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 $7\text{cm} \leq N < 15\text{cm}$ $N \geq 15\text{ cm}$	EN ISO 10545-2	$\pm 0,5\text{ mm}$ $\pm 0,5\text{ mm } \acute{o} \pm 5\%$	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	$E_b \leq 0,5\%$ Individual maximum 0,6%	$E_b \leq 0,2\%$
Breaking strength, for:			
Thickness $\geq 7,5\text{ mm}$	EN ISO 10545-4	Not less than 1.300 N	> 2.200 N

Flexural tensile strength or modulus of rupture			
	EN ISO 10545-4	Minimum 35 N/mm ² Individual minimum 32 N/mm ²	> 44 N/mm²
Coefficient of linear thermal expansion			
from ambient temperature to 100° C	EN ISO 10545-8	Declared Value	6.1- 6.9 x10⁻⁶ (°C⁻¹)
Thermal shock resistance			
	EN ISO 10545-9	Pass according to EN ISO 10545-9	PASS
Crazing resistance			
Glazed tiles	EN ISO 10545-11	Pass according to EN ISO 10545-11	PASS
Frost resistance			
Interior uses	EN ISO 10545-12	Pass according to EN ISO 10545-12	PASS
Exterior uses			PASS
Bond strength/adhesion , for:			
cementitious adhesives	EN 12004:2007 +A1: 2012, 4.1	Declared Value	Type C2 >1 N/mm2
Reaction to fire			
		Class A1 _{FL} /A1	A1_{FL}/A1
C) CHEMICAL PROPERTIES			
Resistance to chemicals			
Resistance to household chemicals and swimming pool slats	EN ISO 10545-13	Minimum GB	GA
Resistance to staining, for:			
Glazed tiles	EN ISO 10545-14	Minimum 3	5