TECHNICAL SHEET

BRAND	**CERAMICAS APARICI, S.A.** Ctra. Castellón - Alcora, km 12 12130 San Juan de Moró (Castellón) SPAIN
PRODUCT	**NAME: ALTEA ALBA, CORBETA, OLIVO & PINAR NATURAL** **FORMATO (cm): 59,2 x 59,2** **BATCH: 14/11/2019** **Note:** This model has a preincision format 200 x 200 mm which has a width of 1, 6 mm.
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			
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 note 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		± 0,9 mm	
N≥ 15 cm	EN ISO 10545-2	± 2,0 mm ó ± 0,6%	**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		± 0,5 mm	
N≥ 15 cm	EN ISO 10545-2	± 0,5 mm ó ± 5%	**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	± 0,75 mm ± 1,5 mm ó ± 0,5%	**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 mm ± 2,0 mm ó ± 0,5%	**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 mm ± 2,0 mm ó ± 0,5%	**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	**$E_b \leq 0,5\%$** **Individual maximum 0,6%**	**$E_b \leq 0,2\%$**
Breaking strength, for:			
a) Thickness ≥ 7,5 mm	EN ISO 10545-4	Not less than 1.300 N	**> 2.500 N**

Flexural tensile strength or modulus of rupture			
	EN ISO 10545-4	Minimum 35 N/mm^2 Individual minimum 32 N/mm^2	**> 47 N/mm^2**
Abrasión resistance			
Resistance to surface abrasion of **glazed tiles** intended for use on floors (PEI)	EN ISO 10545-7	Abrasion class	**(Alba, Corbeta, Olivo & Pinar) CLASS 4**
Coefficient of linear thermal expansion			
from ambient temperature to 100º C	EN ISO 10545-8	Declared Value	**6.1- 6.9 x10 $^{-6}$ (ºC^{-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 **Exterior uses**	EN ISO 10545-12	Pass according to EN ISO 10545-12	**PASS** **PASS**
Slip resistance			
Ramp test	DIN 51130	-	**R10**
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 chemicals			
Glazed tiles	EN ISO 10545-14	Minimum 3	**5**