














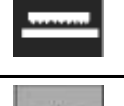
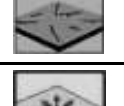
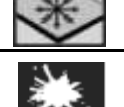


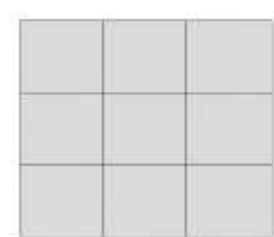


DATA SHEET

SAP CODE	225026225	 The color presented in the photograph It is an approximation to the real color.
REFERENCE NAME	(N) HD BOTICCINO BLANCO 45X45-1	
NOMINAL SIZE (cm) OR (in)	45X45 (cm) or 18X18 (in)	
ABSORPTION GROUP	Bllb/ annex K 	
USE	FLOOR 	
TRAFFIC	MODERATE COMMERCIAL	
MANUFACTURING THICKNESS (mm) OR (in)	7,4 (mm) or 19/64 (in)	
m² OR (ft²) BOX	1,82 (m2) or 19,59 (ft2)	
PIECES	9	
FACES - DESIGNS	5	
TONE VARIATION ACCORDING TO THE STANDARD ANSI A137-1-2017	V2 	

TECHNICAL CHARACTERISTICS	TEST	SPECIFICATION	ALFAGRES
LENGHT AND WIDTH 	NTC 4321 - 2 ISO 10545 - 2	± 0,6% ± 2 mm or 0,08 (in)	± 0,6% ± 2 mm or 0,08 (in)
THICKNESS 	NTC 4321 - 2 ISO 10545 - 2	± 5% ±0,5 mm or 0,20 (in)	± 5% ±0,5 mm or 0,20 (in)
STRAIGHTNESS OF SIDES 	NTC 4321 - 2 ISO 10545 - 2	± 0,5% ± 1,5 mm or 0,06 (in)	± 0,5% ± 1,5 mm or 0,06 (in)
RECTANGULARITY 	NTC 4321 - 2 ISO 10545 - 2	± 0,5 % ± 2 mm or 0,08 (in)	± 0,5 % ± 2 mm or 0,08 (in)
SURFACE FLATNESS	Centre Curvature 	NTC 4321 - 2 ISO 10545 - 2	± 0,5 % ±2,0mm or 0,08 (in)
	Edge Curvature 	NTC 4321 - 2 ISO 10545 - 2	± 0,5 % ±2,0mm or 0,08 (in)
	warpage 	NTC 4321 - 2 ISO 10545 - 2	± 0,5 % ±2,0mm or 0,08 (in)
SURFACE DEFECTS	NTC 4321 - 2 ISO 10545 - 2	Minimum 95% without defects	Minimum 95% without defects
WATER ABSORPTION 	NTC 4321 - 3 ISO 10545 - 3	6 % < Eb ≤ 10 %, Individual maximum 11 %	6 % < Eb ≤ 10 %, Individual maximum 11 %
BREAKING STRENGTH, IN NEWTONS 	NTC 4321 - 4 ISO 10545 - 4	Thickness <7,5 Minimum 500 N Or 112,40 (lbf)	> 500 N - > 112,40 (lbf)
MODULUS OF RUPTURE, IN NEWTONS PER SQUARE MILLIMETRE 	NTC 4321 - 4 ISO 10545 - 4	Minimum 18 N/mm2 or 2610,6 (lbf), Individual minimum 16 N/mm2 or 2320,6 (lbf)	Minimum 18 N/mm2 or 2610,6 (lbf), Individual minimum 16 N/mm2 or 2320,6 (lbf)
RESISTANCE TO SURFACE ABRASION OF GLAZED TILES INTENDED FOR USE ON FLOORS 	NTC 4321 - 7 ISO 10545 - 7	Report abrasion class and cycles passed	3
CRAZING RESISTANCE 	NTC 4321 - 11 ISO 10545 - 11	Required	Resistant
FROST RESISTANCE 	NTC 4321 - 12 ISO 10545 - 12	Test method available	Not Apply
RESISTANCE TO STAINING 	NTC 4321 - 14 ISO 10545 - 14	Minimum class 3	Minimum class 5
RESISTACE TO CHEMICALS 	NTC 4321 - 13 ISO 10545 - 13	Resistance to household chemicals and swimming pool salts Minimum B	A class
		Resistance to low concentrations of acids and alkali. Manufacturer is to state classification	B class

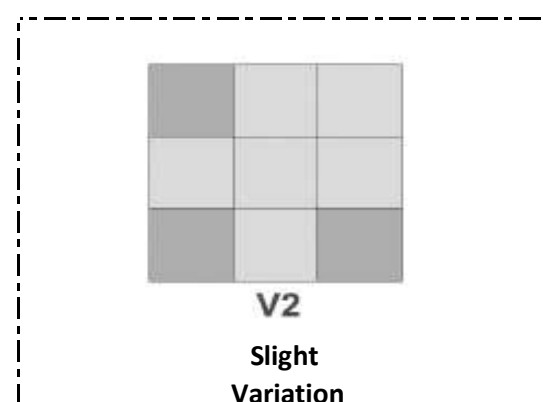
DYNAMIC COEFFICIENT OF FRICTION (DCOF) 	ANSI A 137.1		CLASS 1
DETERMINATION OF SURFACE SCRATCH HARDNESS ACCORDING TO THE MOHS SCALE	UNE-EN 15771:2011		5



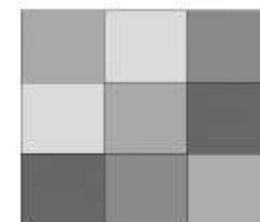
V0
Very Uniform
Appearance



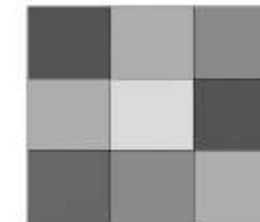
V1
Uniform
Appearance



V2
Slight
Variation



V3
Moderate
Variation



V4
Substantial
Variation

Note:

- 1 For more information about this product, contact our customer service line in Bogotá 331 1531, national 018000914900 or via mail:
- 2 For areas where greater slip resistance is required, use products with DCOF CLASS 2
- 3 The contents of the boxes of this product may vary in design and hue. Verify and install the tiles randomly.
- 4 Manufactured by ALFAGRES S.A In Colombia.
- 5 First quality
- 6 Surface Unglazed
- 7 Mr. consumer, please carefully check the identification of the material, the batch and the production date found on the physical product packaging.
- 8 Consult the installation and maintenance manual for its correct use.
- 9 Specification according to ISO 13006 - NTC 919 (Colombian Technical Standard)