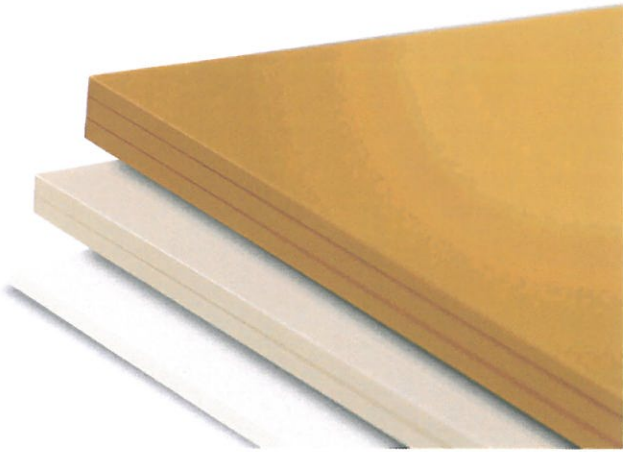




TECHLAM®



COMPANY:

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PRODUCT:

Porcelain slab TECHLAM, BASIC 3+ (3 mm).

Techlam 3+ is a porcelain slab, only 3mm thick and 7,1kg/sqm weight, and can be cut up to 3000x1000 mm in panels.

The variety of Techlam colours range covers from the most pure white to the most intense black, as well as all the colours in between. It offers the possibility to combine the material with any type of style and provides a vast number of solution for architecture, interior design, furniture and the Habitat sector.

Information provided by the manufacturer under their responsibility

TEST

Surface resistance tests

Resistance to food products
Resistance to cleaning products
Resistance to bathroom chemical products
Resistance to staining
Stained with 3M hydrochloric acid
Resistance to abrasion
Resistance to water vapour
Resistance to scratching
Resistance to dry heat
Resistance to impact by large diameter ball
Resistance to impact by small diameter ball
Resistance to abrasion

Ageing test

Light fastness
Resistance to wet conditions
Dimensional stability at elevated temperature
Resistance to cracking
Cold-check
Resistance to climatic shock

STANDARDS

UNE 56 842:01
UNE 56 842:01
UNE 56 867:02
UNE EN 438-2:05
Laboratory internal method
UNE 56 867:02 & UNE EN 438-2:05
UNE 56 867:02 & UNE EN 438-2:05
UNE EN 438-2:05
UNE 56 867:02 & UNE EN 438-2:05
UNE 56 867:02 & UNE EN 438-2:05
UNE EN 438-2:05
UNE EN 438-2:05
UNE 56 842:01, UNE 56 867:02 & UNE EN 438-2:05
UNE 56 842:01
UNE 56 867:02
UNE EN 438-2:05
Based on UNE 48 025:79
UNE EN 438-2:05

July 2012



Quality Symbol

The tests described in this document have been made in the laboratory of AIDIMA on request on the manufacturer of the product. The results refer only to the sample. These results are reported in the test report reference 1111014-01m.

TEST	RESULT	ACCORDING TO ³⁾ UNE 56 867:02 UNE 56 868:02	ACCORDING TO ³⁾ UNE 56 842:01 UNE 56 843:01	ACCORDING TO ³⁾ UNE EN 438-3/6*:05 UNE 11022-1:92
Appearance	Without surface defects	Pass		
Resistance to food products ¹⁾	0	—	Pass (without alteration)	
Resistance to cleaning products ¹⁾	0	—	Pass (without alteration)	
Resistance to bathroom chemical products ¹⁾	5	Pass Gloss ≥ 3 Colour ≥ 4	—	
Resistance to staining ¹⁾ (assessment)	5	—	—	Pass Groups 1-2; 5 / group 3: ≥ 4
Stained with 3M hydrochloric acid	Without alteration	—	—	—
Resistance to abrasion (n° of cycles) Initial point IP Resistance abrasion (WR)	$> 1\ 000$ ²⁾	Pass PI ≥ 100 RA ≥ 250	—	Pass PI ≥ 150 RD ≥ 350
Resistance to abrasion (mg /100 revolutions)	6,4	—	—	—
Resistance to water vapour (assessment)	5	Pass Gloss & colour ≥ 4	—	Pass Gloss & colour ≥ 4
Resistance to scratching (rating)	5	—	—	Pass ≥ 3
Resistance to dry heat (assessment)	5	Pass Gloss ≥ 3 Colour ≥ 4	—	Pass Gloss & colour ≥ 4
Light fastness (grey scale assessment)	5	Pass ≥ 4	Pass ≥ 4	Pass 4 a 5
Colour fastness to rubbing (grey scale assessing staining) Dry (1000 cycles) / Wet (200cycles)	5 / 5	—	—	—
Resistance to wet conditions % Mass absorption / aspect	0,3 / 5	—	—	Pass * %abs. $\leq 7 / \geq 4$
Dimensional stability at elevated temperature (%)	0,02	—	—	Pass L $\leq 0,55$ - T $\leq 1,05$
Dimensional stability at ambient temperature (%)	0,01	—	—	—
Resistance to impact by small diameter ball (N)	29	—	—	Pass ≥ 20
Resistance to impact by large diameter ball (cracking assessment and print diameter)	No cracks or damage	Pass without cracks (30cm)	—	Pass UNE 11022-1 Diameter: ≤ 10 Drop height: ≥ 600
Resistance to cigarette burns (rating)	5	—	—	Pass ≥ 3
Resistance to cracking (rating)	5	—	—	Pass ≥ 4
Cold-check (assessment after 40 cycles)	Without alteration	—	—	—
Resistance to climatic shock Resistance index Aspect (rating)	1,0 5	—	—	Pass * Index $\geq 0,95$ Rating ≥ 4

1) In case of alteration, chemical products that cause it are listed.

2) Maximum number of abrasion (wear) cycles applied.

3) The requirements considered are those shown in the following standards: UNE 56842 and UNE 56843 for working surfaces intended for kitchen furniture. UNE 11022 for domestic and public tables. UNE 438-3 for high-pressure decorative laminates (less than 2 mm thick) intended for bonding to supporting substrates. UNE 438-6 for high-pressure decorative laminates for Exterior (of thickness 2 mm and greater) (only the tests with *). Regarding the impact test by large diameter ball, only the specification of UNE 11022-1 for domestic and public use is considered, being the TECHLAM glued with PUR adhesive to a 20 mm particle board.



AIDIMA is a member of INNOVAWOOD, The European Network of Research and Training for the Forest, Wood and Furniture Industry, among whose members are: BRE-CTTC (United Kingdom) CATA5 SPA (Italy), COSMOB (Italy), CTIB-TCHN (Belgium), DTI (Denmark), ELKEDE (Greece), FCBA (France), IHD (Germany), ITD (Poland), SHR (Holland), TRADA-FIRA (United Kingdom), University of British Columbia (UBC-DWS) (Canada), University of Zagreb (Croatia), WKI (Germany). AIDIMA has been recognised as a Centre of R&D Excellence by the European Union for the wood, furniture, packaging and related sectors.

LEVANTINA
THE NATURAL STONE COMPANY