

PRODUCT TECHNICAL SHEET

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MANUFACTURER

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PRODUCT

iTOPKer COUNTERTOPS by Inalco are 12mm-thick 1500x3200mm large-format porcelain slabs.

Mainly conceived for use as worktops, iTOPKer COUNTERTOPS come in over 40 colours in a natural, polished and bush-hammered finish.

CONDUCTED TESTS	STANDARD		
	KITCHENS	BATHROOMS	OTHERS
SURFACE RESISTANCE TESTS			
Resistance to cold food products	UNE 56875:2014V2	-	-
Resistance to cleaning products	UNE 56875:2014V2	-	-
Resistance to hot food products	UNE 56875:2014V2	-	-
Resistance to dry heat at 180° C.	UNE 56875:2014V2	UNE 56867:2002	UNE EN 438-4:2005
Resistance to water vapour	UNE 56875:2014V2	UNE 56867:2002	UNE EN 438-4:2005
Abrasion resistance	UNE 56875:2014V2	UNE 56867:2002	-
Scratch resistance	UNE 56875:2014V2	-	UNE EN 438-4:2005
Impact resistance to dropped ball	UNE 56875:2014V2	UNE 56867:2002	-
Resistance to products typically found in a bathroom	-	UNE 56867:2002	-
Resistance to cleaning products	-	UNE 56867:2002	-
Stain resistance	-	-	UNE EN 438-4:2005
Resistance to cigarette burns	-	-	UNE EN 438-4:2005
AGEING TESTS			
Light resistance	UNE 56875:2014V2	UNE 56867:2002	UNE EN 438-4:2005
Appearance	-	UNE 56867:2002	-
Resistance to rubbing	-	-	UNE EN ISO 11640:99
Crack resistance	-	-	UNE EN 438-4:2005
Dimensional stability at a high temperature	-	-	UNE EN 438-6:2005
Cooling cycles	-	-	UNE 48 025:1979
Climatic shock test	-	-	UNE EN 438-6:2005

UNE 56875:2014V2 standard, "Kitchen Furniture. Specifications, requirements and test methods" in situations of normal use.

UNE 56867:2002 standard, "Bathroom furniture. Testing of surface finishes," for bathroom design plans.

UNE EN 438-4:2005 standard on over 2mm-thick high-pressure laminates for general use and **UNE EN 438-6:2005** on compact high-pressure laminates for outdoor use.

The tests described herein were conducted in the laboratories of AIDIMME (THE TECHNOLOGICAL INSTITUTE FOR METAL PROCESSING FURNITURE, WOOD, PACKAGING & RELATED INDUSTRIES), at the request of Inalco. The obtained results are only for the analysed samples. The said results are contained in the test reports AIDIMME 1612099-01 and 1612099-02.

TECHNICAL CHARACTERISTICS

Test product: ITOPKER COUNTERTOPS POLISHED

REF: AIDIMME 1612099-01

CHARACTERISTIC	RESULT	REQUIREMENT** (UNE 56875:2014V2) (heavy use)	REQUIREMENT*** (UNE 56867:2002) (bathroom design plans)	REQUIREMENTS**** (UNE EN 438-4:2005) (UNE EN 438-6:2005)
Resistance to cold food products (Assessed after 24 hours)	All the products: 0	0 Correct	-	-
Resistance to cleaning products (Valoración tras 24 horas)	All the products: 0	0 Correct	-	-
Resistance to hot food products (Assessed after 4 hours)	All the products: 0	0 Correct	-	-
Resistance to dry heat at 180° C. (Assessment)	Shine: 5 Colour: 5	Shine: ≥ 4 Colour: ≥ 5 Correct	Shine: ≥ 3 Colour: ≥ 4 Correct	Glossy finishes: ≥ 3 Other finishes: ≥ 4 Correct
Resistance to water vapour. (Assessment)	Shine: 5 Colour: 5	Shine: ≥ 4 Colour: ≥ 4 Correct	Shine: ≥ 4 Colour: ≥ 4 Correct	Glossy finishes: ≥ 3 Other finishes: ≥ 4 Correct
Abrasion resistance - Initial point (cycles) - Resistance (cycles)	No surface wear and tear >1000 >1000	≥ 150 ≥ 350 Correct	≥ 100 ≥ 250 Correct	-
Scratch resistance (Assessment)	5	≥ 3 Correct	-	Smooth finishes: ≥ 2 Textured finishes: ≥ 3 Correct
Impact resistance to dropped ball. -Dropped from a height of 40 cm (Assessment)	No cracking	No cracking Correct normal use	-	-
Light resistance (Assessment of grey scale)	5	$\geq 4-5$ Correct	≥ 4 Correct	$\geq 4-5$ Correct
Appearance (Assessment)	No flaws observed	-	No flaws Correct	-
Resistance to products typically found in a bathroom (Assessed after 16 hours)	All the products: Shine: 5 Colour: 5	-	Shine: ≥ 3 Colour: ≥ 4 Correct	-
Resistance to cleaning products (Assessed after 16 hours)	All the products: Shine: 5 Colour: 5	-	Shine: ≥ 3 Colour: ≥ 4 Correct	-
Impact resistance to dropped ball -Dropped from a height of 30 cm (Assessment)	0	-	≤ 1 Correct	-
Resistencia al manchado (Assessment)	All the products: 5	-	-	≥ 4 Correct
Resistance to rubbing (Assessment of grey scale) - Dry (1000 cycles) - Wet (200 cycles) - Observations	5 5 No damage or tear	-	-	UNE EN ISO 11640:99 No surface damage or tear
Resistance to cigarette burns (Degree)	5	-	-	≥ 3 Correct
Crack resistance (Degree)	5	-	-	≥ 4 Correct
Dimensional stability at a high temperature (%)	0.05	-	-	Longitudinal: < 0.3 Transversal: < 0.6 Correct
Cooling cycles (Assessed after 40 cycles)	No visible deterioration	-	-	UNE 48 025:1979 No visible deterioration
Climatic shock test Initial bending strength (N/mm ²) Final bending strength (N/mm ²) Level of resistance	50.9 50.3 0.99	-	-	Resistance: ≥ 0.95
Appearance (Degree)	5 No deterioration	-	-	Rating ≥ 4 Complies

** The tested sample complies with the appropriate test requirements established in the **UNE 56875:2014V2** standard, "Kitchen furniture. Specifications, requirements and test methods" for situations of normal use.

*** The tested sample complies with the appropriate test requirements established in the **UNE 56867:2002** standard, "Bathroom furniture. Testing of surface finishes", for bathroom design plans.

**** Compliance has been taken into account with the requirements of the **UNE EN 438-4:2005** standard on over 2mm-thick high-pressure laminates for general use and **UNE EN 438-6:2005** on compact high-pressure laminates for outdoor use.

TECHNICAL CHARACTERISTICS

PRODUCTO DE ENSAYO: ITOPKER COUNTERTOPS NATURAL AND BUSH-HAMMERED
REF: AIDIMME 1612099-02

CHARACTERISTIC	RESULT	REQUIREMENT** (UNE 56875:2014V2) (heavy use)	REQUIREMENT*** (UNE 56867:2002) (bathroom design plans)	REQUIREMENTS**** (UNE EN 438-4:2005) (UNE EN 438-6:2005)
Resistance to cold food products (Assessed after 24 hours)	All the products: 0	0 Correct	-	-
Resistance to cleaning products (Valoración tras 24 horas)	All the products: 0	0 Correct	-	-
Resistance to hot food products (Assessed after 4 hours)	All the products: 0	0 Correct	-	-
Resistance to dry heat at 180° C. (Assessment)	Shine: 5 Colour: 5	Shine: ≥ 4 Colour: ≥ 5 Correct	Shine: ≥ 3 Colour: ≥ 4 Correct	Glossy finishes: ≥ 3 Other finishes: ≥ 4 Correct
Resistance to water vapour. (Assessment)	Shine: 5 Colour: 5	Shine: ≥ 4 Colour: ≥ 4 Correct	Shine: ≥ 4 Colour: ≥ 4 Correct	Glossy finishes: ≥ 3 Other finishes: ≥ 4 Correct
Abrasion resistance - Initial point (cycles) - Resistance (cycles)	No surface wear and tear >1000 >1000	≥ 150 ≥ 350 Correct	≥ 100 ≥ 250 Correct	-
Scratch resistance (Assessment)	5	≥ 3 Correct	-	Smooth finishes: ≥ 2 Textured finishes: ≥ 3 Correct
Impact resistance to dropped ball. -Dropped from a height of 40 cm (Assessment)	No cracking	No cracking Correct normal use	-	-
Light resistance (Assessment of grey scale)	5	$\geq 4-5$ Correct	≥ 4 Correct	$\geq 4-5$ Correct
Appearance (Assessment)	No flaws observed	-	No flaws Correct	-
Resistance to products typically found in a bathroom (Assessed after 16 hours)	All the products: Shine: 5 Colour: 5	-	Shine: ≥ 3 Colour: ≥ 4 Correct	-
Resistance to cleaning products (Assessed after 16 hours)	All the products: Shine: 5 Colour: 5	-	Shine: ≥ 3 Colour: ≥ 4 Correct	-
Impact resistance to dropped ball -Dropped from a height of 30 cm (Assessment)	0	-	≤ 1 Correct	-
Resistencia al manchado (Assessment)	All the products: 5	-	-	≥ 4 Correct
Resistance to rubbing (Assessment of grey scale) - Dry (1000 cycles) - Wet (200 cycles) - Observations	5 5 No damage or tear	-	-	UNE EN ISO 11640:99 No surface damage or tear
Resistance to cigarette burns (Degree)	5	-	-	≥ 3 Correct
Crack resistance (Degree)	5	-	-	≥ 4 Correct
Dimensional stability at a high temperature (%)	0.02	-	-	Longitudinal: < 0.3 Transversal: < 0.6 Correct
Cooling cycles (Assessed after 40 cycles)	No visible deterioration	-	-	UNE 48 025:1979 No visible deterioration
Climatic shock test Initial bending strength (N/mm ²) Final bending strength (N/mm ²) Level of resistance	50.9 50.3 0.99	-	-	Resistance: ≥ 0.95
Appearance (Degree)	5 No deterioration	-	-	Rating ≥ 4 Complies

** The tested sample complies with the appropriate test requirements established in the **UNE 56875:2014V2** standard, "Kitchen furniture. Specifications, requirements and test methods" for situations of normal use.

*** The tested sample complies with the appropriate test requirements established in the **UNE 56867:2002** standard, "Bathroom furniture. Testing of surface finishes", for bathroom design plans.

**** Compliance has been taken into account with the requirements of the **UNE EN 438-4:2005** standard on over 2mm-thick high-pressure laminates for general use and **UNE EN 438-6:2005** on compact high-pressure laminates for outdoor use.



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