

CHARACTERISTICS PORCELAIN (Group BIa)

DATE: 16/02/2022

MODEL: **DECO STUDIO GRIS 1^a**
 SIZE 32X62,5

SERIE **STUDIO**
CODE 200000000000014668

1.-CLASIFICACION (UNE-EN 14411).

Dry Pressed Ceramics Tiles with low water absorption - Group BIa , $E \leq 0,5\%$ for internal and external walls.

2.-SPECIFICATIONS (UNE-EN 14.411 - ISO13.006)

REQUIREMENTS	STANDARD APPLIED	REQUERIMENTS STANDARD	TEST RESULTS
Dimensions and Surface Quality	ISO 10545-2	---	PASS
Water Absorption	ISO 10545-3	$E \leq 0,5 \%$	PASS
Modulus of Rupture	ISO 10545-4	$\geq 35 \text{ N/mm}^2$	PASS
MOHS	EN 101	(*)	6
Crazing Resistance	ISO 10545-11	(*)	PASS
Resistance to chemicals	ISO 10545-13	Min B	A
- Household chemicals: Ammonium chloride solution 100 g/l		Min B	A
- Swimming pool salts: Sodium Hypochlorite solution 20 mg/l		(*)	LA
- Acids and alkalies:		(*)	LA
Low concentrations: Hydrochloric acid solution (3%)		(*)	LA
Citric acid solution 100 g/l		(*)	HA
Potassium hydroxide 30 g/l		(*)	HA
High concentrations: Hydrochloric acid solution (18%)		(*)	HA
Lactic acid solution (5%)	(*)	HA	
Potassium hydroxide 100 g/l	(*)	HA	
Resistance to staining:	ISO 10545-14	Min 3	5
Cr2O3/FE2O3 + light oil			
Abrasion Resistance (PEI):	ISO 10545-7	(*)	
Frost Resistance	ISO 10545-12	Required	PASS

3.-APLICACION GROUPS

According to its characteristics, Hijos de F. Gaya Fores, defines this model as group:

GRUPO W

(*) as manufacturer confirms



R+D Manager



Operation Manager

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1.- CLASSIFICATION. ISO 13006

Water abs. Production	Group I E ≤ 3 %	Group IIa 3 % < E ≤ 6 %	Group IIb 6 % < E ≤ 10 %	Group III E > 10 %
A Extruded	Group A Ia E ≤ 0,5% (Annex M)	Group A IIa-1 (Annex B)	Group A IIb-1 (Annex D)	Group A III (Annex F)
	Group A Ib 0,5% < E ≤ 3% (Annex A)	Group A IIa-2 (Annex C)	Group A IIb-2 (Annex E)	
B Dry pressed	Group B Ia E ≤ 0,5 % (Annex G)	Group B IIa (Annex J)	Group B IIb (Annex K)	Group B III (Annex L)
	Group B Ib 0,5 < E ≤ 3 % (Annex H)			

2.-CHARACTERISTICS

RESISTANCE TO	CLASS	MEANING
Stains	5	The stain is removed with hot water and a damp cloth
	4	The stain is removed with a weak cleaning agent.
	3	The stain is removed with mechanical cleaning and a strong
	2	The stain is removed with suitable solvent after immersion for 24 h.
	1	The stain is not removed
Household chemicals Swimming pool salts	A(V)	Non Visible effect (if the hue becomes slightly different, this is not
	B(V)	Definite change in appearance
	C(V)	Partial or complete loss of the original surface
Acids and alkalis Low concentrations (L)	LA(V)	Non Visible effect (if the hue becomes slightly different, this is not
	LB(V)	Definite change in appearance
	LC(V)	Partial or complete loss of the original surface
High concentrations (H)	HA(V)	Non Visible effect (if the hue becomes slightly different, this is not
	HB(V)	Definite change in appearance
	HC(V)	Partial or complete loss of the original surface

3.- APPLICATIONS GROUPS

GROUP A.- Recommended for moderate or low level transit. Suitable for bedrooms and/or bathrooms in houses (avoid any kind of abrasion).

GROUP B.- Suitable for light or medium transit, such as rooms inside houses, except for kitchens or areas with direct access from outside.

GROUP C.- Floorings recommended for medium transit, suitable for houses, all kinds of rooms including kitchen or near to entrance areas.

GROUP D.- Flooring suitable for heavy traffic, such as entrances to houses with direct access from the outside, all kinds of rooms and professional offices.

GROUP GRAN TRANSITO.- Flooring suitable and recommended for very heavy traffic

GROUP E.- Flooring suitable only for OUTDOORS not roofed (with risk of presence of water). IT IS NEVER RECOMMENDED TO BE INSTALLED INDOORS.

GROUP W.- Tiles suitable only for laying in wall coverings.

REMARKS:

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