emotion Ceramics

ITEM DATA - TECHNICAL SHEET

Code	45X45 P TIMELESS IVORY MAT PRI.		**Item**	200000000000028083
Finish	Matt - Not Rectified		**Absorption group**	Bla - Porcelain
Shade variation / N. faces	V2 - Slight shade variation	17	**HS Code**	69072100
DOC/DOP	CP0001ANTIPORCELAIN01072013		**UPEC / WallPEC**	Dos not apply
Use	Flooring for medium pedestrian traffic. Private dwellings, offices, common elements, small commercial premises.			
Installation recommendations	Interior and exterior ceramic floor and wall tiles. Do not bond > 20% of the length of the piece. Consult anti-slip data. More information on page 2 of 3			

TECHNICAL FEATURES

TEST		ISO 13006 / UNE EN 14411	GRUPO HALCON
ISO 10545-2	**Length and Width**	± 0,6 % / ± 2 mm (3)	450 ± 0,6 mm x 450 ± 0,6
	Thickness	± 5 % / ± 0,5 mm (3)	8,5 ± 5%
	Straightness of sides	± 0,5 % / ± 1,5 mm (3)	± 1,2 mm
	Rectagularity	± 0,5 % / ± 2 mm (3)	± 1,3 mm
	Centre curvature	± 0,5 % / ± 2 mm (3)	- 0,6 mm / + 1,5 mm
	Edge curvature		- 0,6 mm / + 1 mm
	Warpage		-0,4 mm / + 0,6 mm
ISO 10545-3	**Water absorption**	Ev ≤ 0,5 % (máx. 0,6%)	0,30% (2)
ISO 10545-4	**Breaking strength**	≥ 1300 N	1750 N (2)
	Modules of rupture	≥ 35 N/mm^2	45 N/mm^2 (2)
ISO 10545-5	**Impact resistance**	Test method available	Resists
ISO 10545-6	**Deep abrasion (unglazed)**	≤ 175 mm^3	Not applicable
ISO 10545-7	**Abrasion resistance (glazed)**	Declare abrasion	PEI 3
ISO 10545-8	**Coefficient of linear thermal expansion**	Declared value	$6,2 \times 10^{-6}$ $^{o}C^{-1}$
ISO 10545-9	**Thermal shock resistance**	Requested	Resists
ISO 10545-11	**Crazing resistance (glazed)**	Requested	Resists
ISO 10545-12	**Frost resistance**	Requested	Resists
ISO 10545-13	**Resistance to chemicals**	Mín. HB / LB / B	A - LA - HA
ISO 10545-14	**Resistance to staining**	Mín. 3	5
ISO 16165	**Annex A - DIN 51130**	Declare value	No aplica
	Annex B - DIN 51097	Declare value	R9
	Annex C - UNE 41901	Declare value	Clase 1

(1) See size table in catalogue # technical data
(2) Average value obtained from the productions tested
(3) Apply the most restrictive value

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ADVICE ON INSTALLATION, FINAL CLEANING OF THE SITE AND MAINTENANCE. See QR code printed on our boxes.

INSTALLATION.

Before installation, check quality, tone and caliber delivered so that there are no differences or errors in your delivery. Products weighing >25kg/box, must be handled by 2 people.

Verify and ensure the leveling of the support. For a correct fixation of the ceramic product, it is recommended to consult the EN 12004 standard for adhesives for ceramic tiles. The installation with "globs" or "paddle tip" is totally discouraged, since they do not guarantee the correct adhesion of the ceramic tile to the support, and generate weak points in the floor/wall tile. After gluing and settling, solid with a white rubber mallet.

Plan the installation and open only the necessary boxes to avoid the generation of packaging waste, waste from cut parts. Use adhesives that are free of hazardous substances and environmentally friendly.

Separate the waste generated by type to facilitate its subsequent recycling and follow the waste management regulations in your country.

IMPORTANT. In the case of cutting the tiles, FFP3 type respiratory protection must be used in order not to inhale the dust that is released from this process. It is recommended to do wet cutting to reduce the emission of this powder or ruby cutting.

For rectangular products, locking installation exceeding 20% of the length of the pieces is not recommended.

Levelling systems are not a substitute for spacers, spacers, tees, etc. The width of the levelling system must always be less than the width of the laying joint. In the case of using this system, the installation with the double gluing method is always recommended. It is recommended to use at least 4 levelers for lengths > 60 cm, 3 between ≤ 60 to 30 cm, and 2 levelers for lengths < 30 cm.

For the generation of the installation joint between the adjacent ceramic tiles, it is necessary to use spacers to ensure the uniformity of the thickness of these joints. If the tiles are laid without joints, in contact with each other, the accumulated stresses can cause lifting, bulging and de-canting of the tiles.

Below is a table with the amplitude of each movement joint to be executed on site:

LOCATION	TYPE OF GASKET		JOINT WIDTH
Interior	Installation	Between rectified/non-rectified tiles	≥ 2 mm / ≥ 3 mm
		Between rectified/non-rectified tiles on underfloor heating	≥ 3 mm / ≥ 5 mm
	Perimeter	Floor/wall meeting and wall/ceiling delivery	≥ 8 mm
		Delivery wall/wall and delivery of other construction elements	≥ 5 mm
	Dilatation	Every 6 to 8 linear m	
Outside	Installation	Between tiles	≥ 3 mm
	Perimeter	Interior and exterior corners of the building	≥ 8 mm
		Deliver other construction elements	≥ 5 mm
	Dilatation	Below each slab	≥ 8 mm
		Every 3 – 4 linear m or in an area of 16 m2	

Grouting. Before grouting, check with the manufacturer for the drying time of the adhesive. It is not recommended to use colored mortars or fillers in contrast to the tiles (for example, white floor with anthracite, black or brown grout). In areas where the presence of water is high (bathrooms, showers, kitchens, etc.), it is recommended to use a waterproof or epoxy joint, in order to waterproof the wall and protect the supports and tiles from moisture.

IMPORTANT. After the installation of the ceramic flooring and its grouting to protect from the rest of the work trades, to avoid aggressions or damage that may be registered by the transit of professionals who attend the area.

FINAL CLEANING OF THE WORK AND MAINTENANCE

It is important to remove all the residue from the installation process, so after installation, proceed to wash the floor and/or cladding, before these adhesives harden. We recommend the following products:

STAIN	FABER - FILA
Epoxy residue	EPOXY CLEANER - CR10
Cementitious residue, efflorescence, rust, wall paint	CEMENT REMOVER – DETERDEK PRO
Stubborn dirt, plaster, metal marks and residue, fingerprints and shadows	TILE CLEANER – DETERDEK PRO
Colored (coffee, wine, nicotine, marker, dye, urine, vomit, acidic drinks)	COLOURED STAIN REMOVER – PS 87 PRO POLISHING CREAM: Shine Restoration
Oil, food, grease, tire or rubber marks, wax	DEEP DEGREASER – PS 87 PRO / CLEANER PRO OIL & GREASE REMOVER: removal of polished stains

Daily cleaning and maintenance, we recommend using environmentally friendly products. Do not clean the newly installed material with acidic products so as not to affect the adhesive and grout. Once the installation has set, if acid products are applied, it is advisable to carry out a previous test to verify the effectiveness of the installation and the non-effect on the ceramic product. Once the surface has been cleaned, rinse with plenty of water and change this so as not to leave residues on the surface of the tiles.

In the case of flooring with anti-slip or "anti-slip" characteristics, indicate that any maintenance, treatment and/or improper use could affect the performance of the product and its slippage, and especially those cleaning actions with mechanical equipment.

Grupo Halcón S.L.U. will not be responsible for an inadequate installation and/or maintenance and/or in accordance with the recommendations contained in this document and the UNE EN 138002 Standard. Claims for installed material will not be accepted.

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DECLARATION OF PERFORMANCE

No. CP0001ANTIPORCELAIN01072013

1. UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE
   DRY-PRESSED CERAMIC TILES, WITH WATER ABSORPTION Eb≤0.5%, TYPE 1A

2. INTENDED USE(S)
   FOR INTERNAL AND EXTERNAL FLOORINGS AND WALLS

3. NAME OR REGISTERED TRADE MARK AND CONTACT ADDRESS OF THE MANUFACURER

HALCÓN CERÁMICAS, S.L.U.

Partida Foyes Ferraes s/n 12110 Alcora (Castellón) Spain

contacto@grupohalcon.com

www.grupohalcon.com

4. SYSTEM OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE (AVCP):
   SYSTEM 4

5. NAME AND IDENTIFICATION NUMBER OF NOTIFIED LABORATORY, **NOT APPLICABLE**
6. DECLARED PERFORMANCES

Essential characteristics	Performance		Spécifications techniques
Reaction to fire	Class A1/A1$_{FL}$		EN 14411:2012
Released of dangerous substance, for:	Cadmium	NPD	
	Lead	NPD	
Breaking strength	>1300 N		
Slipperiness	Ext ≥ Clase 2 y/o ≥R10 Int Clase 1 y/o R9		
Tactility	NPD		
Bond strength / adhesion, for:			
Cementitious Adhesive Type C2	>1 N/mm²		
Thermal shock resistance	Pass		
Durability for:	**Internal used**	Pass	
	External used: freeze-thaw resistance	Pass	

The performance of the product identified above is in conformity with the declared performance, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer indicated above.

Signed for and on behalf of the manufacturer by:
Managing Director: François Brendel

Signed:

L'Alcora, Castellón 23 May, 2023