

### ITEM DATA - TECHNICAL SHEET

|                              |                                                                                                                                                             |    |                  |                    |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------|--------------------|
| Code                         | 30X60 P MADOX BLANCO MT PRI.                                                                                                                                |    | Item             | 200000000000024540 |
| Finish                       | Matt - Not Rectified                                                                                                                                        |    | Absorption group | Bla - Porcelain    |
| Shade variation / N. faces   | V3 - Substantial shade variation                                                                                                                            | 16 | HS Code          | 69072100           |
| DOC/DOP                      | CP0001ANTIPORCELAIN01072013                                                                                                                                 |    | UPEC / WallIPEC  | 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.<br>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                        | $\pm 0,6 \% / \pm 2 \text{ mm}^{(3)}$   | $297,9 \pm 0,5 \text{ mm} \times 600 \pm 0,7 \text{ mm}^{(1)}$ |
|              | Thickness                               | $\pm 5 \% / \pm 0,5 \text{ mm}^{(3)}$   | $8,0 \pm 5\%$                                                  |
|              | Straightness of sides                   | $\pm 0,5 \% / \pm 1,5 \text{ mm}^{(3)}$ | $\pm 0,8 \text{ mm} / \pm 1,2 \text{ mm}$                      |
|              | Rectagularity                           | $\pm 0,5 \% / \pm 2 \text{ mm}^{(3)}$   | $\pm 1,3 \text{ mm}$                                           |
|              | Centre curvature                        | $\pm 0,5 \% / \pm 2 \text{ mm}^{(3)}$   | $- 0,6 \text{ mm} / + 1,5 \text{ mm}$                          |
|              | Edge curvature                          |                                         | $- 0,6 \text{ mm} / + 1 \text{ mm}$                            |
|              | Warpage                                 |                                         | $-0,4 \text{ mm} / + 0,6 \text{ mm}$                           |
| ISO 10545-3  | Water absorption                        | $Ev \leq 0,5 \% \text{ (máx. } 0,6\%)$  | $0,25\%^{(2)}$                                                 |
| ISO 10545-4  | Breaking strength                       | $\geq 1300 \text{ N}$                   | $1500 \text{ N}^{(2)}$                                         |
|              | Modules of rupture                      | $\geq 35 \text{ N/mm}^2$                | $42 \text{ N/mm}^2^{(2)}$                                      |
| ISO 10545-5  | Impact resistance                       | Test method available                   | Resists                                                        |
| ISO 10545-6  | Deep abrasion (unglazed)                | $\leq 175 \text{ mm}^3$                 | Not applicable                                                 |
| ISO 10545-7  | Abrasion resistance (glazed)            | Declare abrasion                        | PEI 3                                                          |
| ISO 10545-8  | Coefficient of linear thermal expansion | Declared value                          | $6,2 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$             |
| 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                           | Not applicable                                                 |
|              | Annex B - DIN 51097                     | Declare value                           | R10                                                            |
|              | Annex C - UNE 41901                     | Declare value                           | Class 2                                                        |

(1) See size table in catalogue # technical data

(2) Average value obtained from the productions tested

(3) Apply the most restrictive value

## 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<br>POLISHING CREAM: Shine Restoration                     |
| Oil, food, grease, tire or rubber marks, wax                               | DEEP DEGREASER – PS 87 PRO / CLEANER PRO<br>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.

# DECLARATION OF PERFORMANCE

No. CP0001ANTIPORCELAIN01072013

1. UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE  
**DRY-PRESSED CERAMIC TILES, WITH WATER ABSORPTION  $E_b \leq 0.5\%$ , TYPE 1A**
2. INTENDED USE(S)  
**FOR INTERNAL AND EXTERNAL FLOORINGS AND WALLS**

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 <sub>FL</sub>                      |      | EN 14411:2012             |
| Released of dangerous substance, for: | Cadmium                                        | NPD  |                           |
|                                       | Lead                                           | NPD  |                           |
| Breaking strength                     | >1300 N                                        |      |                           |
| Slipperiness                          | Ext ≥ Classe 2 y/o ≥R10<br>Int Classe 1 y/o R9 |      |                           |
| Tactility                             | NPD                                            |      |                           |
| Bond strength / adhesion, for:        |                                                |      |                           |
| Cementitious Adhesive Type C2         | >1 N/mm <sup>2</sup>                           |      |                           |
| 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:

