

## QUALITY CERTIFICATE / CERTIFICADO DE CALIDAD

### SIZES AND SURFACE QUALITY CARACTERISTICAS TÉCNICAS DE LAS BALDOSAS

### PHOTOGRAPHY FOTOGRAFIA:

|                                |                                       |
|--------------------------------|---------------------------------------|
| Series Serie                   | STATUARIO                             |
| Finishing of the piece Acabado | POLISHED/PULIDO                       |
| Colour Color                   |                                       |
| Nominal Size Medida Nominal    | 60X120                                |
| Work Size Medida Fabricación   | 600X1200X10,5                         |
| Norme Norma EN 14.411          |                                       |
| Name Denominación              | GLAZED PORCELAIN/PORCELANICO ESMALTAD |



### SIZES AND SURFACE QUALITY DIMENSIONES Y ASPECTO SUPERFICIAL

| Required/ Requisito | Value/ Valor |
|---------------------|--------------|
|---------------------|--------------|

| Property   | Standard          | Part    | Unit | Value | Result                      |
|--|-------------------|---------|------|-------|-----------------------------|
| Length and width Longitud y anchura                    | UNE-EN-ISO 10.545 | Parte 2 | %    | ±0,6% | Passes Standard Test Cumple |
| Thickness Espesor                                      | UNE-EN-ISO 10.545 | Parte 2 | %    | ±5%   | Passes Standard Test Cumple |
| Rectitud de los lados Measurement of Side Straightness | UNE-EN-ISO 10.545 | Parte 2 | %    | ±0,5% | Passes Standard Test Cumple |
| Squareness Ortogonalidad                               | UNE-EN-ISO 10.545 | Parte 2 | %    | ±0,5% | Passes Standard Test Cumple |
| Surface flatness Planitud de la superficie             | UNE-EN-ISO 10.545 | Parte 2 |      |       |                             |
| Central curvature Curvatura central                    |                   |         | %    | ±0,5% | Passes Standard Test Cumple |
| Edge curvature Curvatura lateral                       |                   |         | %    | ±0,5% | Passes Standard Test Cumple |
| Warpage Alabeo   |                   |         | %    | ±0,5% | Passes Standard Test Cumple |
| Surface Quality Aspecto superficial                    |                   |         | %    | <0,5% | Passes Standard Test Cumple |

### PHYSICAL PROPERTIES PROPIEDADES FISICAS

|  |                   |          |                   |                            |                             |
|--|-------------------|----------|-------------------|----------------------------|-----------------------------|
| Water Absorption Absorción de agua   | UNE-EN-ISO 10.545 | Parte 3  | %                 | <0,5%                      | Passes Standard Test Cumple |
| Breaking strength (N) Fuerza de rotura (N)   | UNE-EN-ISO 10.545 | Parte 4  | N                 | >1300                      |                             |
| Bending Strength (N/mm <sup>2</sup> ) Resistencia a la flexión (N/mm <sup>2</sup> )        | UNE-EN-ISO 10.545 | Parte 4  | N/mm <sup>2</sup> | >35                        |                             |
| Impact resistance Resistencia al impacto   | UNE-EN-ISO 10.545 | Parte 5  |                   | -                          | -                           |
| Resistance to abrasion Resistencia a la abrasión   |                   |          |                   |                            |                             |
| Deep Abrasión (UGL: Unglazed) Abrasión profunda (UGL: No esmaltadas)                       | UNE-EN-ISO 10.545 | Parte 6  | mm <sup>3</sup>   | < 175                      | Passes Standard Test Cumple |
| Surface abrasion (GL: Glazed) Abrasión superficial (GL: Esmaltadas)                        | UNE-EN-ISO 10.545 | Parte 7  | PEI / N° rev      | -                          |                             |
| Coefficient of thermal linear expansion Coeficiente de dilatación térmica lineal           | UNE-EN-ISO 10.545 | Parte 8  | ° C <sup>-1</sup> | -                          |                             |
| Resistance to thermal shock Resistencia al choque termico                                  | UNE-EN-ISO 10.545 | Parte 9  |                   | According to use Según Uso |                             |
| Expansión por humedad Determination of moisture expansion                                  | UNE-EN-ISO 10.545 | Parte 10 | mm/m              |                            |                             |
| Crazing resistance (GL: Glazed) Resistencia al cuarteo (GL: Esmaltadas)                    | UNE-EN-ISO 10.545 | Parte 11 |                   | According to use Según Uso | -                           |
| Frost Resistance Resistencia a la helada   | UNE-EN-ISO 10.545 | Parte 12 |                   | -                          | -                           |
| Small differences of colour (GL: Glazed) Pequeñas diferencias de color (GL:Esmaltadas)     | UNE-EN-ISO 10.545 | Parte 16 |                   | ΔEcmc < 0,75               | -                           |
| Small differences of colour (GL: Glazed) Pequeñas diferencias de color (UGL:No Esmaltadas) | UNE-EN-ISO 10.545 | Parte 16 |                   | ΔEcmc < 1,0                | -                           |
| Slip Resistance Deslizamiento:   |                   |          |                   |                            |                             |
| Slipperiness (Tortus) Coeficiente de fricción (Tortus)                                     | ISO/DIS 10545     | Parte 17 |                   | -                          |                             |
| Tilting Pendulo  | UNE-ENV 12.633    |          |                   | -                          |                             |
| Slipway (boots) Rampa botas  | DIN 51.130        |          |                   | -                          |                             |
| Slipway (Barefeet) Rampa (pies descalzos)  | DIN 51.097        |          |                   | -                          |                             |
| Scratch resistance(Mohs) Resistencia al rayado (Mohs)                                      | UNE-67101:1985    |          |                   | -                          |                             |

### CHEMICAL PROPERTIES PROPIEDADES QUIMICAS

|  |                   |          |  |   |     |
|--|-------------------|----------|--|---|-----|
| Chemical resistance Resistencia a productos químicos:  | UNE-EN-ISO 10.545 | Parte 13 |  |   |     |
| Resistance to low concentrations of acids and alkalis Resistencia a ácidos y álcalis de baja concentración       |                   |          |  | - | GLA |
| Resistance to high concentrations of acids and alkalis Resistencia a ácidos y álcalis de alta concentración      |                   |          |  | - | GHA |
| Resistance to household chemicals and swimming pool salt products domésticos y sales para piscinas Resistencia a |                   |          |  | B | GA  |
| Resistance to staining Resistencia a las manchas   | UNE-EN-ISO 10.545 | Parte 14 |  | 3 |     |
| Emission of lead and cadmium Emisión de plomo y cadmio   | UNE-EN-ISO 10.545 | Parte 15 |  | - | -   |

### SAFETY SEGURIDAD

|  |   |  |  |    |  |
|--|---|--|--|----|--|
| Euroclass. Fire resistance Euroclase. Resistencia al fuego | Decision 96/603/CE Modified Decisión 96/603/CE Modificada |  |  | A1 |  |
|--|---|--|--|----|--|