



SANICERAMIC GROUP

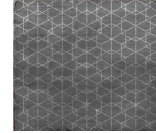
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QUALITY CERTIFICATE / CERTIFICADO DE CALIDAD

SIZES AND SURFACE QUALITY CARACTERISTICAS TÉCNICAS DE LAS BALDOSAS

PHOTOGRAPHY FOTOGRAFIA:

Series Serie TRAZOS GRAFITE
Finishing of the piece Acabado MATT/MATE
Colour Color
Nominal Size Medida Nominal 20X20
Work Size Medida Fabricación 200X200X8,7
Norme Norma EN 14.411 Bla
Name Denominación GLAZED PORCELAIN/PORCELANICO ESMALTAD



SIZES AND SURFACE QUALITY DIMENSIONES Y ASPECTO SUPERFICIAL

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

| | | | | | |
|--|-------------------|---------|---|-------|-----------------------------|
| 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 | | ±0,5% | Passes Standard Test Cumple |
| | | | | ±0,5% | Passes Standard Test Cumple |
| 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 | Passes Standard Test Cumple | |
| Bending Strength (N/mm ²) Resistencia a la flexión (N/mm ²) | UNE-EN-ISO 10.545 | Parte 4 | N/mm ² | >35 | Passes Standard Test Cumple | |
| Impact resistance Resistencia al impacto | UNE-EN-ISO 10.545 | Parte 5 | | - | - | |
| Resistance to abrasion Resistencia a la abrasión | UNE-EN-ISO 10.545 | Parte 6 | mm ³ | < 175 | Passes Standard Test Cumple | |
| | | | | Surface abrasion (GL: Glazed) Abrasión superficial (GL: Esmaltadas) | UNE-EN-ISO 10.545 | Parte 7 |
| Coefficient of thermal linear expansion Coeficiente de dilatación térmica lineal | UNE-EN-ISO 10.545 | Parte 8 | ° C ⁻¹ | - | ≤9.10 ⁻⁶ | |
| 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: | ISO/DIS 10545 | Parte 17 | | - | ≥0,42 | |
| | | | | UNE-ENV 12.633 | - | CLASE 2 |
| | | | | DIN 51.130 | - | - |
| | | | | DIN 51.097 | - | - |
| Scratch resistance(Mohs) Resistencia al rayado (Mohs) | UNE-67101:1985 | | | - | 5 | |

CHEMICAL PROPERTIES PROPIEDADES QUIMICAS

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|--|-------------------|----------|--|--|-------------------|----------|
| 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 |
| Emission of lead and cadmium Emisión de plomo y cadmio | UNE-EN-ISO 10.545 | Parte 15 | | - | - | |

SAFETY SEGURIDAD

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