



# Technical Specifications

## ABNT NBR ISO 13006

Dry-pressed ceramic tiles with low water absorption  $E_v \leq 0,5\%$  Group BIa

## Murale Caramel st

Line Nuance

|                              |                |                      |
|------------------------------|----------------|----------------------|
| Tipology                     | Code           |                      |
| <b>Glazed Porcelain Tile</b> | <b>212669E</b> |                      |
| Size (cm)                    | Thickness (mm) | Work Size (cm)       |
| <b>120X120</b>               | <b>7.00</b>    | <b>119,85X119,85</b> |
| Edge                         | Surface        | Tonality Variation   |
| <b>Rectified</b>             | <b>Natural</b> | <b>V2</b>            |

| Physical Property                    | Test Standards | Results |
|--------------------------------------|----------------|---------|
| Water Absorption (%)                 | ISO 10545-3    | 0,5     |
| Modulus of Breaking Strength (N/mm²) | ISO 10545-4    | 40      |
| Breaking Load (N)                    | ISO 10545-4    | 1500    |
| Moisture Expansion (mm/m)            | ISO 10545-10   | 0,1     |
| Crazing Resistance                   | ISO 10545-11   | RESIST  |
| Frost Resistance                     | ISO 10545-12   | RESIST  |
| Resistance to Thermal Shock          | ISO 10545-9    | RESIST  |

| Chemical Property                                         | Test Standards | Results |
|-----------------------------------------------------------|----------------|---------|
| <b>Resistance to Staining</b>                             |                |         |
| Unglazed Tiles                                            | ISO 10545-14   | 5       |
| <b>Resistance to Chemicals</b>                            |                |         |
| Resistance to low concentrations of acids and alkalis     | ISO 10545-13   | LA      |
| Resistance to household chemicals and swimming pool salts | ISO 10545-13   | A       |

| Coefficient of Friction | Test Standards | Results |
|-------------------------|----------------|---------|
| Dry Surface             | ABNT NBR 16919 | 0,5     |
| Wet Surface             | ABNT NBR 16919 | 0,4     |
| Wet Surface             | ANSI A326.3    | 0,43    |

Local of Use

|                                                        |
|--------------------------------------------------------|
| CI - Commercial Light   RE - Residential   FA - Facade |
|--------------------------------------------------------|

| Settlement                    | Recomendado |
|-------------------------------|-------------|
| Dry Internal Walls Joint      | 1,5 mm      |
| Wet Internal Walls Joint      | 1,5 mm      |
| External Walls Joint - Facade | 1,5 mm      |
| Floor joint                   | 1,5 mm      |

Reaction with fire: Ceramic coatings are sintered at high temperatures and therefore do not present in their final composition organic or volatile compounds of any nature, classifying them as Class I - non-combustible.

Portobello

Portobello SA - Fábrica | contato@portobello.com.br  
SAC: 800 648 2002 1 BR 101 - Km 163 - Cx. Postal 15  
Tijucas/SC - Brasil - 88200-000

