



# Technical Specifications

## ABNT NBR ISO 13006

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

### Vena Roma Crema st

Line Vena Roma

|                              |                |                      |
|------------------------------|----------------|----------------------|
| Tipology                     | Code           |                      |
| <b>Glazed Porcelain Tile</b> | <b>212041E</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>V3</b>            |

#### Physical Property

|                                      |
|--------------------------------------|
| Water Absorption (%)                 |
| Modulus of Breaking Strength (N/mm²) |
| Breaking Load (N)                    |
| Moisture Expansion (mm/m)            |
| Crazing Resistance                   |
| Frost Resistance                     |
| Resistance to Thermal Shock          |

#### Test Standards

|              |
|--------------|
| ISO 10545-3  |
| ISO 10545-4  |
| ISO 10545-4  |
| ISO 10545-10 |
| ISO 10545-11 |
| ISO 10545-12 |
| ISO 10545-9  |

#### Results

|        |
|--------|
| 0,5    |
| 40     |
| 1500   |
| 0,1    |
| RESIST |
| RESIST |
| RESIST |

#### Chemical Property

##### Resistance to Staining

|              |
|--------------|
| Glazed Tiles |
|--------------|

#### Test Standards

|              |
|--------------|
| ISO 10545-14 |
|--------------|

#### Results

|   |
|---|
| 5 |
|---|

##### Resistance to Chemicals

|                                                           |
|-----------------------------------------------------------|
| Resistance to low concentrations of acids and alkalis     |
| Resistance to household chemicals and swimming pool salts |

|              |
|--------------|
| ISO 10545-13 |
| ISO 10545-13 |

|    |
|----|
| LA |
| A  |

### Coefficient of Friction

|             |
|-------------|
| Dry Surface |
| Wet Surface |
| Wet Surface |

### Test Standards

|                |
|----------------|
| ABNT NBR 16919 |
| ABNT NBR 16919 |
| ANSI A326.3    |

### Results

|      |
|------|
| 0,5  |
| 0,4  |
| 0,43 |

### Dimensions and surface quality

|                            |
|----------------------------|
| Length and width (mm)      |
| Width (mm)                 |
| Thickness (mm)             |
| Straightness of sides (mm) |
| Rectangularity (mm)        |
| Surface quality (%)        |

### Test Standards

|             |
|-------------|
| ISO 10545-2 |
| ISO 10545-2 |
| ISO 10545-2 |
| ISO 10545-2 |
| ISO 10545-2 |
| ISO 10545-2 |

### Results

|        |
|--------|
| ± 1,00 |
| ± 1,00 |
| ± 0,35 |
| ± 0,80 |
| ± 1,50 |
| ≥ 95   |

### Local of Use

|                                                        |
|--------------------------------------------------------|
| HC - Heavy Commercial   RE - Residential   FA - Facade |
|--------------------------------------------------------|

### Settlement

|                               |
|-------------------------------|
| Dry Internal Walls Joint      |
| Wet Internal Walls Joint      |
| External Walls Joint - Facade |
| Floor joint                   |

### Recomendado

|        |
|--------|
| 1,5 mm |
| 1,5 mm |
| 1,5 mm |
| 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

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