



# Technical Specifications

## ABNT NBR ISO 13006

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

## Superquadra Concreto

Line Superquadra

|                       |                |                |
|-----------------------|----------------|----------------|
| Tipology              | Code           |                |
| Glazed Porcelain Tile | 27747E         |                |
| Format (cm)           | Thickness (mm) | Work Size (cm) |
| 60X120                | 9,00           | 59,85X119,85   |
| Edge                  | Surface        |                |
| Rectified             | Natural        |                |

### Physical Property

|                                                   |              |        |
|---------------------------------------------------|--------------|--------|
| Water Absorption (%)                              | ISO 10545-3  | 0,5    |
| Modulus of Breaking Strength (N/mm <sup>2</sup> ) | ISO 10545-4  | 37     |
| Breaking Load (N)                                 | ISO 10545-4  | 1800   |
| 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 |

### Test Standards

### Results

### Chemical Property

#### Resistance to Staining

|              |              |   |
|--------------|--------------|---|
| Glazed Tiles | ISO 10545-14 | 5 |
|--------------|--------------|---|

#### Resistance to Chemicals

|                                                           |              |    |
|-----------------------------------------------------------|--------------|----|
| Resistance to low concentrations of acids and alkalis     | ISO 10545-13 | LB |
| Resistance to household chemicals and swimming pool salts | ISO 10545-13 | A  |

### Test Standards

### Results

| 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

HC - Heavy Commercial | 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.

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