



Technical Specifications

ABNT NBR ISO 13006

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

Brasilia Concreto Grafite

Line Brasília

Tipology

**Glazed
Porcelain Tile**

Code

209539E

Size (cm)

90X90

Thickness (mm)

8.00

Work Size (cm)

89,85X89,85

Edge

Rectified

Surface

Natural

Tonality Variation

V4

Physical Property

| |
|---|
| Water Absorption (%) |
| Modulus of Breaking Strength (N/mm ²) |
| 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 |
| 2000 |
| 0,1 |
| 0 |
| 0 |
| 0 |

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

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.

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