



Technical Specifications

ABNT NBR ISO 13006

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

Berliner Sand

Line Berliner

Tipology

**Glazed
Porcelain Tile**

Code

29597E

Size (cm)

60X120

Thickness (mm)

9.00

Work Size (cm)

59,85X119,85

Edge

Rectified

Surface

Natural

Tonality Variation

V3

Physical Property

| Physical Property | Test Standards | Results |
|---|----------------|---------|
| Water Absorption (%) | ISO 10545-3 | 0,5 |
| Modulus of Breaking Strength (N/mm ²) | 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 |

Chemical Property

Resistance to Staining

| Chemical Property | Test Standards | Results |
|-------------------|----------------|---------|
| Glazed Tiles | ISO 10545-14 | 5 |

Resistance to Chemicals

| | | |
|---|--------------|----|
| 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

| | | |
|-------------|----------------|------|
| Dry Surface | ABNT NBR 16919 | 0,5 |
| Wet Surface | ABNT NBR 16919 | 0,4 |
| Wet Surface | ANSI A326.3 | 0,43 |

Dimensions and surface quality

| | Test Standards | Results |
|----------------------------|----------------|---------|
| Length and width (mm) | ISO 10545-2 | ± 1,00 |
| Width (mm) | ISO 10545-2 | ± 1,00 |
| Thickness (mm) | ISO 10545-2 | ± 0,45 |
| Straightness of sides (mm) | ISO 10545-2 | ± 0,80 |
| Rectangularity (mm) | ISO 10545-2 | ± 1,50 |
| Surface quality (%) | ISO 10545-2 | ≥ 95 |

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

