

Technical Specifications

ABNT NBR ISO 13006

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

Mineral Off White

Line Mineral

| | | |
|-----------------------|----------------|--------------------|
| Tipology | Code | |
| Porcelain Tile | 209713E | |
| Size (cm) | Thickness (mm) | Work Size (cm) |
| 90X90 | 8.00 | 89,85X89,85 |
| Edge | Surface | Tonality Variation |
| Rectified | Natural | V1 |

Physical Property

| Physical Property | Test Standards | Results |
|---|----------------|---------|
| Water Absorption (%) | ISO 10545-3 | 0,5 |
| Modulus of Breaking Strength (N/mm ²) | ISO 10545-4 | 35 |
| Breaking Load (N) | ISO 10545-4 | 1500 |
| Moisture Expansion (mm/m) | ISO 10545-10 | 0,1 |
| Resistance to Deep Abrasion (mm ³) | ISO 10545-6 | 170 |
| Frost Resistance | ISO 10545-12 | RESIST |
| Resistance to Thermal Shock | ISO 10545-9 | RESIST |

Chemical Property

Resistance to Staining

| Chemical Property | Test Standards | Results |
|-------------------|----------------|---------|
| Unglazed Tiles | ISO 10545-14 | 4 |

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 |

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 flatness (mm) |
| Surface quality (%) |

Test Standards

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

Results

| |
|----------|
| ± 1,00 |
| ± 1,00 |
| ± 0,40 |
| ± 0,80 |
| ± 1,50 |
| ± 1,8 mm |
| ≥ 95 |

Local of Use

IU - Industrial and Urban | 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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