# Technical Specifications

## ABNT NBR ISO 13006

Dry-pressed ceramic tiles with low water absorption Ev ≤ 0,5% Group BIa

# Mineral Off White

Line Mineral

| Tipology | Code | |
|---|---|---|
| **Porcelain Tile** | **205478E** | |
| Size (cm) | Thickness (mm) | Work Size (cm) |
| **60X60** | **7.00** | **59,85X59,85** |
| Edge | Surface | Tonality Variation |
| **Rectified** | **Natural** | **V1** |

| Physical Property | Test Standards | Results |
|---|---|---|
| Water Absorption (%) | ISO 10545-3 | 0,5 |
| Modulus of Breaking Strength (N/mm²) | ISO 10545-4 | 35 |
| Breaking Load (N) | ISO 10545-4 | 1500 |
| Moisture Expansion (mm/m) | ISO 10545-10 | 0,1 |
| Resistance to Deep Abrasion (mm3) | ISO 10545-6 | 175 |
| Frost Resistance | ISO 10545-12 | RESIST |
| Resistance to Thermal Shock | ISO 10545-9 | RESIST |

| Chemical Property | Test Standards | Results |
|---|---|---|
| **Resistance to Staining** | | |
| 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 |

Para informações de recomendações de aplicação consulte o especificador virtual: http://especificadorvirtual.portobello.com.br
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| 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 |

| 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 | ± 0,35 |
| Straightness of sides (mm) | ISO 10545-2 | ± 0,80 |
| Rectangularity (mm) | ISO 10545-2 | ± 1,50 |
| Surface flatness (mm) | ISO 10545-2 | ± 1,8 mm |
| Surface quality (%) | ISO 10545-2 | ≥ 95 |

## Local of Use

IU - Industrial and Urban | 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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