# TECHNICAL

**Range Name:**

Pietra Piasentina

**Ref:** PE-TDS-Pietra Piasentina-26H1.2

*Technical specification of dry pressed ceramic wall tiles manufactured in accordance with the EN 14411 standard, Blll group.*

| **Physical Properties** | | **Result** |
|---|---|---|
| Group | | $Bl_a$ |
| Values According To | | EN14411 |
| Material | | Porcelain |
| Finish | | Flamed |
| Size Formats (mm) | | 3000x1500mm, 1500x1500mm, 1500x750mm, 750x750mm, 750x375mm |
| Thickness (mm) | | 6mm |
| **Technical Properties** | **Testing To Standard** | **Values** |
| Tolerances | | |
| Length and Width | ISO 10545-2 | ± 0.1% |
| Thickness | ISO 10545-2 | ± 5.0% |
| Linearity | ISO 10545-2 | ± 0.1% |
| Rectangularity | ISO 10545-2 | ± 0.1% |
| Surface Flatness | ISO 10545-2 | ± 0.2% |
| Surface Quality | ISO 10545-2 | Compliant |
| Water Absorption | ISO 10545-3 | <= 0.1% |
| Modulus of Rupture (R) | ISO 10545-4 | 49 $N/mm^2$ |
| Resistance to deep abrasion | ISO 10545-6 | $140mm^3$ |
| Thermal expansion coefficient | ISO 10545-8 | $6.5x10^{-6}$ °$C^{-1}$ |
| Thermal Shock Resitance | ISO 10545-9 | Resistant |
| Frost Resistance | ISO 10545-12 | Compliant |
| Chemical Resistance | | |
| Household Chemicals / Swimming Pool Salts | ISO 10545-13 | Compliant |
| High Concetration of acid and alkalis | ISO 10545-13 | Compliant |
| Stain Resistance | ISO 10545-14 | Class 5 |
| Color resistance to light | DIN 51094 | No change in brightness or colour |
| Reaction to fire | Decision 96/603 CE | $A1\text{-}A1_{FL}$ |

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# RESOUNDING LUXURY

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