**Performance Characteristics of Custom Printed Tiles**

**Fade- Resistant, Graffiti-Resistant Wall and Floor Tiles**

**Wall tiles** for outdoor/indoor public display and swimming pools:

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| Standard Tests | Description | Test Results |
| UNI EN ISO 10545-14:2000 | Ammonia | No visible alteration |
| UNI EN ISO 10545-14:2000 | Denatured Alcohol | No visible alteration |
| UNI EN ISO 10545-14:2000 | Stain Resistance – Substances which form a film | Class 5 *(Standard range 1-5)*  (stain removal by water wash) |
| UNI EN ISO 10545-14:2000 | Stain Resistance - Residues | Class 5 *(Standard range 1-5)*  (stain removal by water wash) |
| UNI EN ISO 10545-14:2000 | Stain Resistance - Oxidants | Class 5 *(Standard range 1-5)*  (stain removal by water wash) |
| UNI EN ISO 10545-14:2000 | Acetone (strongest paint remover) | No visible alteration |
| UNI EN ISO 105-B02:2001 | Colorfastness (Xenotest) | Higher than 8 (will not fade)  *(Standard range 1-8)* |
| UNI EN ISO 10545-12 | Frost Resistance | Pass |

**Floor tiles** for outdoor/indoor commercial and residential floors, pools, and saunas:

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| --- | --- | --- |
| Standard Tests | Description | Test Results |
| UNI EN ISO 10545-14:2000 | Ammonia | No Visible Effect |
| UNI EN ISO 10545-14:2000 | Denatured Alcohol | No Visible Effect |
| UNI EN ISO 10545-14:2000 | Stain Resistance – Substances which form a film | Class 5 (stain removal by water wash) |
| UNI EN ISO 10545-14:2000 | Stain Resistance - Residues | Class 5 (stain removal by water wash) |
| UNI EN ISO 10545-14:2000 | Stain Resistance - Oxidants | Class 5 (stain removal by water wash) |
| UNI EN ISO 10545-14:2000 | Acetone | No Visible Effect |
| UNI EN ISO 10545-12 | Frost Resistance | Pass |
| UNI EN ISO 10545-9 | Resistance to Thermal Shock | Resistant |
| UNI EN ISO 105-B02:2001 | Colorfastness (Xenotest) | Higher than 8 (Will not fade)  *(Standard range 1-8)* |
| ASTM C1027 | Wear Resistance | Class 4 Commercial Flooring |
| ASTM C1028 | Slip Resistance | COF over .60 wet & dry (ADA Compliant) |
| DIN 51130 | Slip Resistance | R9 Suitable < 10% slope, Commercial |

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