

TECHNICAL DATA SHEET

GLAZED PORCELAIN TILES



Urban Cement Floor Tiles - Matt & Grit

MS ISO 13006: 2014, GROUP Bla E ≤ 0.5%

| | Standard Requirements | Internal Requirement | Test Result | Test Result |
|--|--------------------------------------|------------------------------------|--|--|
| Nominal Size Work Size | | 40x80cm 398.5 x 800.0 x 10.2mm | (Matt) 40x80cm 398.5 x 800.0 x 10.2mm | (Grit) 40x80cm 398.5 x 800.0 x 10.2mm |
| Dimension and Surface Quality | | | | |
| Dimension: Length & Width (Average) | | | | |
| The deviation, in percent, of the average size for each tile from the work size | ± 0.6% (Surface . 410 cm²) | ± 0.5% | Average: 398.5 x 800.0mm | Average: 398.5 x 800.0mm |
| Thickness | ± 5.0% | ± 5.0% | Average: 10.21mm | Average: 10.25mm |
| Surface Quality | Minimum 95% | Minimum 95% | 100% | 100% |
| Physical Properties | | | | |
| Water Absorption | E ≤ 0.5% | E ≤ 0.5% | Average = 0.03% Ind. Max = 0.03% | Average = 0.02% Ind. Max = 0.03% |
| Breaking Strength, in N | Not less than 1300 N | ≥ 1300 N | Average 2565 N | Average 2680 N |
| Modulus of Rupture (Mpa) | Minimum 35 N/mm² | ≥ 35 N/mm² | Average = 53 N/mm² Ind. Min = 48 N/mm² | Average = 50 N/mm² Ind. Min = 49 N/mm² |
| Slip Resistance Wet Pendulum Test (Factory test) | Manufacturer to State Value | PTV = P3 (MATT) PTV = P4 (GRIT) | PTV = 36 - 46 P3 | PTV = 52 - 56 P4 |
| Abrasion Resistance (PEI) | Report Abrasion Class | Min Class 3 | Class 3 Cycle Passed: 1500 | Class 3 Cycle Passed: 1500 |
| Crazing Resistance | Required | No crazing observed | No crazing observed | No crazing observed |
| Chemical Properties | | | | |
| Resistance to staining: a) glazed tiles | Minimum Class 3 | Minimum Class 3 | 1) Green staining agent in light oil 2) Iodine, 13g/l solution in alcohol 3) Olive Oil Result: Class 5 | 1) Green staining agent in light oil 2) Iodine, 13g/l solution in alcohol 3) Olive Oil Result: Class 5 |
| Resistance to low concentrations of acids and alkalis: a) glazed tiles | Manufacturer to state Classification | Minimum GLB | 1) Hydrochloric acid solution, 3% 2) Potassium hydroxide solution 30g/l 3) Citric acids solution 100g/l Result: No visible effect (GLA) | 1) Hydrochloric acid solution, 3% 2) Potassium hydroxide solution 30g/l 3) Citric acids solution 100g/l Result: No visible effect (GLA) |
| Resistance to household chemicals and swimming pool salt a) glazed tiles | Minimum GB | Minimum GB | GA | GA |

The above Johnson Tiles technical specifications are a general indication only.
Please contact your local Johnson Tiles representative or state office for more detailed information.