

Technical Data Sheet

Spectrum Plus

Spectrum Plus Wall Tiles

| Test Description | | | |
|--|---------------------|---|------------------------------|
| Wet Pendulum | N/A | | |
| Oil Wet Ramp | N/A | | |
| Specifications | | | |
| Nominal Size | 100x100mm | 100x200mm | 200x200mm |
| Work Size | 97x97x7.0mm | 97x197x7.0mm | 197x197x7.0mm |
| Dimensions and Surface Quality | | | |
| Dimensions: Length (L) & width (W) The deviation (%) of the average size for each tile from work size | 97.00 mm +/- 0.75 % | 97.00 mm +/- 0.75 % 197.00 mm +/- 0.75 % | 197.00 mm +/- 0.75% |
| The deviation (%) of the average size for each tile from the average size of 10 test specimen | +/- 0.50 % | +/- 0.50 % | +/- 0.50 % |
| Thickness | 7.0 mm +/- 5 % | 7.0 mm +/- 5 % | 7.0 mm +/- 5 % |
| Straightness of Sides | +/- 0.50 % | +/- 0.50 % | +/- 0.50 % |
| Rectangularity | +/- 0.50 % | +/- 0.50 % | +/- 0.60 % |
| Surface Flatness: | | | |
| a) Centre Curvature | +/- 0.50 % | +/- 0.50 % | +/- 0.50 % |
| b) Edge Curvature | +/- 0.50 % | +/- 0.50 % | +/- 0.50 % |
| c) Warpage | +/- 0.50 % | +/- 0.50 % | +/- 0.50 % |
| Surface Quality | Minimum 95 % | Minimum 95 % | Minimum 95 % |
| Physical Properties | | | |
| Water Absorption | 16 - 17% | 16 - 17% | 6-10% |
| Breaking Strength, in N | | | |
| a) Thickness >= 7.5 | - | - | > 800 |
| b) Thickness < 7.5mm | > 350 | > 350 | > 500 |
| Modulus of Rupture | > 16 | > 16 | Minimum 18 N/mm ² |
| Crazing Test | No Craze | No Craze | No Craze |



| | | | |
|---|--|--|--|
| Abrasion Resistance | No | No | - |
| Chemical Properties | | | |
| a) Household chemicals | Minimum GA | Minimum GA | Minimum GB |
| b) Swimming Pool Salt | Minimum GA | Minimum GA | Minimum GB |
| c) Acid and Alkali | Light/Dark Colour Class GLA Class GLB Class GLC | Light/Dark Colour Class GLA Class GLB Class GLC | Light/Dark Colour Class GLA Class GLB Class GLC |
| Staining Resistance | Minimum Class 5 | Minimum Class 5 | Minimum Class 3 |
| MS ISO 13006: 2003, GROUP BIII 10 % < E <=20% [97x97mm, 97x197mm] | | | |
| MS ISO 13006: 2003, GROUP BIIB 6 % < E <=10% [197x197mm] | | | |

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.

