



Vintal Blue Dark

Size: 300X450 mm | Design: Marble | Finish: Glossy Finish in Ceramic wall Body | Series: Cosmos Digital



Front View



Scale View

Packaging Details

| Size       | No. of tiles in box | Coverege Area |       |
|------------|---------------------|---------------|-------|
|            |                     | sq/mtr        | sq/ft |
| 300X450 mm | 6.00                | 0.81          | 8.72  |

## Technical Specification

| Sr.No. | Test Description                          | Test Method             | ISO 13006:2018 E Specification           | Nitco's Specification                        |
|--------|-------------------------------------------|-------------------------|------------------------------------------|----------------------------------------------|
| 1      | Deviation in Length (%)                   | ISO 10545 - 2 / EN 98   | ± 0.6 % ( Max ± 2.0 mm )                 | ± 0.15 %                                     |
| 2      | Deviation in Thickness (%)                | ISO 10545 - 2 / EN 98   | ± 10.0 % ( Max ± 0.5 mm )                | ± 5.0 % %                                    |
| 3      | Straightness of Edge (%)                  | ISO 10545 - 2 / EN 98   | ± 0.5 % ( Max ± 1.5 mm )                 | ± 0.3 %                                      |
| 4      | Diagonal Variation (%) (Rectangularity)   | ISO 10545 - 2 / EN 98   | ± 0.5 % ( Max ± 2.0 mm )                 | ± 0.15 %                                     |
| 5      | Surface Flatness (%)                      | ISO 10545 - 2 / EN 98   | + 0.5 , -0.3 ( Max +2.0 mm and -1.5 mm ) | + / - 0.25 %                                 |
| 6      | Surface Quality (%)                       | ISO 10545 - 2 / EN 98   | Min 95% free from any Visible defects    | More than 95 % free from any Visible defects |
| 7      | Water Absorption (%) By Wt.               | ISO 10545 - 3 / EN 99   | ≥ 10.0 %                                 | 10-20 %                                      |
| 8      | Modulus of Rupture In N / mm <sup>2</sup> | IISO 10545 - 4 / EN 100 | ≥ 10                                     | ≥ 17                                         |
| 9      | Thermal Shock Resistance                  | ISO 10545 - 9 / EN 104  | No Visible defects                       | Resistance                                   |
| 10     | Chemical Resistance (Except HF Acid)      | ISO 10545 - 13 / EN 106 | No Visible defects                       | No Visible defects                           |
| 11     | Resistance to Stain                       | ISO 10545 - 14          | Manufacturer to State Class              | Min. Class 3                                 |
| 12     | MOH Scratch Hardness                      | EN 101                  | Min 4                                    | 4                                            |
| 13     | Crazing Resistance                        | ISO 10545 - 14 / EN 105 | No Crazing                               | Resistance                                   |
| 14     | Abrasion Resistance                       | ISO 10545 - 7 / EN 154  | PEI - II for Glossy to III for Matte     | PEI - II for Glossy to III for Matte         |
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| 4      | Diagonal Variation (%) (Rectangularity)   | ISO 10545 - 2 / EN 98   | ± 0.5 % ( Max ± 2.0 mm )                 | ± 0.15 %                                     |
| 5      | Surface Flatness (%)                      | ISO 10545 - 2 / EN 98   | + 0.5 , -0.3 ( Max +2.0 mm and -1.5 mm ) | + / - 0.30 %                                 |
| 6      | Surface Quality (%)                       | ISO 10545 - 2 / EN 98   | Min 95% free from any Visible defects    | More than 95 % free from any Visible defects |
| 7      | Water Absorption (%) By Wt.               | ISO 10545 - 3 / EN 99   | ≥ 10.0 %                                 | 10-20 %                                      |
| 8      | Modulus of Rupture In N / mm <sup>2</sup> | IISO 10545 - 4 / EN 100 | ≥ 10                                     | ≥ 17                                         |
| 9      | Thermal Shock Resistance                  | ISO 10545 - 9 / EN 104  | No Visible defects                       | Resistance                                   |
| 10     | Chemical Resistance (Except HF Acid)      | ISO 10545 - 13 / EN 106 | No Visible defects                       | No Visible defects                           |
| 11     | Resistance to Stain                       | ISO 10545 - 14          | Manufacturer to State Class              | Min. Class 3                                 |
| 12     | MOH Scratch Hardness                      | EN 101                  | Min 4                                    | 4                                            |
| 13     | Crazing Resistance                        | ISO 10545 - 14 / EN 105 | No Crazing                               | Resistance                                   |
| 14     | Abrasion Resistance                       | ISO 10545 - 7 / EN 154  | PEI - II for Glossy to III for Matte     | PEI - II for Glossy to III for Matte         |