

| Technical features                                                                                                           |                                                                                                                   |                                                                     |                       |          |                                    |                                     |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------|----------|------------------------------------|-------------------------------------|
| Dry-pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G group B1a UGL |                                                                                                                   |                                                                     | Standard requirements |          | Test results                       | Reference standard                  |
|                                                                                                                              |                                                                                                                   |                                                                     | N ≥ 15 cm             |          |                                    |                                     |
|                                                                                                                              |                                                                                                                   |                                                                     | (%)                   | (mm)     | MATTE                              |                                     |
|                                              | Lenght and with: deviation of the average size for each tile from the work size                                   | Squadrato ISO 13006                                                 | ± 0,3%                | ± 1 mm   | ± 0,15%                            | ISO 10545-2                         |
|                                                                                                                              | Thickness: deviation of the average thickness of each tile form the work size thickness                           | Squadrato ISO 13006                                                 | ± 5%                  | ± 0,5 mm | ± 5%                               |                                     |
|                                                                                                                              | Straightness: maximum deviation to the corresponding work sizes                                                   | Squadrato ISO 13006                                                 | ± 0,3%                | ± 0,8 mm | ± 0,10%                            |                                     |
|                                                                                                                              | Orthogonality: permissible deviation in relation to the corresponding manufacturing dimensions                    | Squadrato ISO 13006                                                 | ± 0,3%                | ± 1,5 mm | ± 0,20%                            |                                     |
|                                                                                                                              | Flatness: center curvature, edge curvature, and warpage in relation to the corresponding manufacturing dimensions | Squadrato ISO 13006                                                 | ± 0,4%                | ± 1,8 mm | 0,20%                              |                                     |
|                                                                                                                              | Surface quality                                                                                                   | A minimum of 95% of the tiles are to be free from visible defects   |                       |          | Compliant                          |                                     |
|                                              | Water absorption, percent mass fraction                                                                           | ≤ 0,5%                                                              |                       |          | Average value 0,08%                | ISO 10545-3                         |
|                                              | Breaking strength in N (thickness < 7.5 mm)                                                                       | ≥ 700                                                               |                       |          | Average value 1350 N               | ISO 10545-4                         |
|                                                                                                                              | Bending strength in N/mm <sup>2</sup>                                                                             | ≥ 35                                                                |                       |          | Average value 52 N/mm <sup>2</sup> |                                     |
|                                              | Resistance to deep abrasion                                                                                       | ≤ 175 mm <sup>3</sup>                                               |                       |          | Average value 140 mm <sup>3</sup>  | ISO 10545-6                         |
|                                              | Thermal shock resistance                                                                                          | Available testing method                                            |                       |          | Resistant                          | ISO 10545-9                         |
|                                              | Resistance to staining                                                                                            | Available testing method                                            |                       |          | Class 4                            | ISO 10545-14                        |
|                                              | Resistance to low concentrations of acids and alkali                                                              | See manufacturer's declaration                                      |                       |          | LA                                 | ISO 10545-13                        |
|                                                                                                                              | Resistance to household chemicals and swimming pool salts                                                         | Minimum class B                                                     |                       |          | A                                  |                                     |
|                                              | Frost resistance                                                                                                  | Required                                                            |                       |          | Resistant                          | ISO 10545-12                        |
|                                             | Release of hazardous substances                                                                                   | Declared value for GL surfaces intended for countertop applications |                       |          | Compliant                          | DM 1-2-2007<br>Reg. CE<br>1935-2004 |
|                                            | Dynamic coefficient of friction                                                                                   | See manufacturer's declaration                                      |                       |          | ≥ 0,42 wet                         | ANSI-A326.3                         |
|                                                                                                                              |                                                                                                                   | See manufacturer's declaration                                      |                       |          | > 0,40                             | METODO BCRA                         |
|                                            | Shod ramp slipperiness                                                                                            | See manufacturer's declaration                                      |                       |          | R10 (10° < α ≤ 19°)                | DIN EN 16165<br>ANNEX B             |
|                                            | Barefoot ramp slipperiness                                                                                        | See manufacturer's declaration                                      |                       |          | Class B (18° ≤ α < 24°)            | DIN EN 16165<br>ANNEX A             |

| Technical features                                                                                                           |                                                                                                                   |                                                                   |                       |                         |                      |                      |                    |
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| Dry-pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G group B1a UGL |                                                                                                                   |                                                                   | Standard requirements |                         | Test results         |                      | Reference standard |
|                                                                                                                              |                                                                                                                   |                                                                   | N ≥ 15 cm             |                         |                      |                      |                    |
|                                                                                                                              |                                                                                                                   |                                                                   | (%)                   | (mm)                    | MATTE                | GRIP                 |                    |
|                                              | Lenght and with: deviation of the average size for each tile from the work size                                   | Squadrato ISO 13006                                               | ± 0,3%                | ± 1 mm                  | ± 0,15%              |                      | ISO 10545-2        |
|                                                                                                                              | Thickness: deviation of the average thickness of each tile form the work size thickness                           | Squadrato ISO 13006                                               | ± 5%                  | ± 0,5 mm                | ± 5%                 |                      |                    |
|                                                                                                                              | Straightness: maximum deviation to the corresponding work sizes                                                   | Squadrato ISO 13006                                               | ± 0,3%                | ± 0,8 mm                | ± 0,10%              |                      |                    |
|                                                                                                                              | Orthogonality: permissible deviation in relation to the corresponding manufacturing dimensions                    | Squadrato ISO 13006                                               | ± 0,3%                | ± 1,5 mm                | ± 0,20%              |                      |                    |
|                                                                                                                              | Flatness: center curvature, edge curvature, and warpage in relation to the corresponding manufacturing dimensions | Squadrato ISO 13006                                               | ± 0,4%                | ± 1,8 mm                | 0,35%                |                      |                    |
|                                                                                                                              | Surface quality                                                                                                   | A minimum of 95% of the tiles are to be free from visible defects |                       |                         | Compliant            |                      |                    |
|                                              | Water absorption, percent mass fraction                                                                           | ≤ 0,5%                                                            |                       | Average value 0,08%     |                      | ISO 10545-3          |                    |
|                                              | Breaking strength in N (thickness < 7.5 mm)                                                                       | ≥ 1300                                                            |                       | Average value 2200 N    |                      | ISO 10545-4          |                    |
|                                                                                                                              | Bending strength in N/mm²                                                                                         | ≥ 35                                                              |                       | Average value 50 N/mm²  |                      |                      |                    |
|                                              | Resistance to deep abrasion                                                                                       | ≤ 175 mm³                                                         |                       | Average value 140 mm³   |                      | ISO 10545-6          |                    |
|                                              | Thermal shock resistance                                                                                          | Available testing method                                          |                       | Resistant               |                      | ISO 10545-9          |                    |
|                                              | Resistance to staining                                                                                            | Available testing method                                          |                       | Class 4                 |                      | ISO 10545-14         |                    |
|                                              | Resistance to low concentrations of acids and alkali                                                              | See manufacturer's declaration                                    |                       | LA                      |                      | ISO 10545-13         |                    |
|                                                                                                                              | Resistance to household chemicals and swimming pool salts                                                         | Minimum class B                                                   |                       | A                       |                      |                      |                    |
|                                              | Frost resistance                                                                                                  | Required                                                          |                       | Resistant               |                      | ISO 10545-12         |                    |
|                                             | Dynamic coefficient of friction                                                                                   | See manufacturer's declaration                                    |                       | ≥ 0,42 wet              |                      | ANSI-A326.3          |                    |
|                                                                                                                              |                                                                                                                   | See manufacturer's declaration                                    |                       | > 0,40                  |                      | METODO BCRA          |                    |
|                                            | Shod ramp slipperiness                                                                                            | See manufacturer's declaration                                    |                       | R10 (10° < α ≤ 19°)     | R11 (19° < α ≤ 27°)  | DIN EN 16165 ANNEX B |                    |
|                                            | Barefoot ramp slipperiness                                                                                        | See manufacturer's declaration                                    |                       | Class B (18° ≤ α < 24°) | Class C (α > 24°)    | DIN EN 16165 ANNEX A |                    |
|                                            | Pendulum test slipperiness                                                                                        | See manufacturer's declaration                                    |                       | -                       | PTV > 36 (slider 96) | BS EN 16165 ANNEX C  |                    |

| Technical features                                                                                                           |                                                                                                                   |                                                                   |                       |          |                                     |                      |
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| Dry-pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G group B1a UGL |                                                                                                                   |                                                                   | Standard requirements |          | Test results                        | Reference standard   |
|                                                                                                                              |                                                                                                                   |                                                                   | N ≥ 15 cm             |          |                                     |                      |
|                                                                                                                              |                                                                                                                   |                                                                   | (%)                   | (mm)     | GRIP                                |                      |
|                                              | Lenght and with: deviation of the average size for each tile from the work size                                   | Squadrato ISO 13006                                               | ± 0,3%                | ± 1 mm   | ± 0,15%                             | ISO 10545-2          |
|                                                                                                                              | Thickness: deviation of the average thickness of each tile form the work size thickness                           | Squadrato ISO 13006                                               | ± 5%                  | ± 0,5 mm | ± 5%                                |                      |
|                                                                                                                              | Straightness: maximum deviation to the corresponding work sizes                                                   | Squadrato ISO 13006                                               | ± 0,3%                | ± 0,8 mm | ± 0,10%                             |                      |
|                                                                                                                              | Orthogonality: permissible deviation in relation to the corresponding manufacturing dimensions                    | Squadrato ISO 13006                                               | ± 0,3%                | ± 1,5 mm | ± 0,20%                             |                      |
|                                                                                                                              | Flatness: center curvature, edge curvature, and warpage in relation to the corresponding manufacturing dimensions | Squadrato ISO 13006                                               | ± 0,4%                | ± 1,8 mm | 0,35%                               |                      |
|                                                                                                                              | Surface quality                                                                                                   | A minimum of 95% of the tiles are to be free from visible defects |                       |          | Compliant                           |                      |
|                                              | Water absorption, percent mass fraction                                                                           | ≤ 0,5%                                                            |                       |          | Average value 0,08%                 | ISO 10545-3          |
|                                              | Breaking strength in N (thickness < 7.5 mm)                                                                       | ≥ 1300                                                            |                       |          | Compliant                           | ISO 10545-4          |
|                                                                                                                              | Bending strength in N/mm <sup>2</sup>                                                                             | ≥ 35                                                              |                       |          | Average value 52 N/mm <sup>2</sup>  |                      |
|                                              | Resistance to deep abrasion                                                                                       | ≤ 175 mm <sup>3</sup>                                             |                       |          | Average value 140 N/mm <sup>3</sup> | ISO 10545-6          |
|                                              | Thermal shock resistance                                                                                          | Available testing method                                          |                       |          | Resistant                           | ISO 10545-9          |
|                                              | Resistance to staining                                                                                            | Available testing method                                          |                       |          | Class 4                             | ISO 10545-14         |
|                                              | Resistance to low concentrations of acids and alkali                                                              | See manufacturer's declaration                                    |                       |          | LA                                  | ISO 10545-13         |
|                                                                                                                              | Resistance to high concentrations of acids and alkali                                                             | Available testing method                                          |                       |          | HA                                  |                      |
|                                                                                                                              | Resistance to household chemicals and swimming pool salts                                                         | Minimum class B                                                   |                       |          | A                                   |                      |
|                                              | Frost resistance                                                                                                  | Required                                                          |                       |          | Resistant                           | ISO 10545-12         |
|                                             | Dynamic coefficient of friction                                                                                   | See manufacturer's declaration                                    |                       |          | ≥ 0,42 wet                          | ANSI-A326.3          |
|                                                                                                                              |                                                                                                                   | See manufacturer's declaration                                    |                       |          | > 0,40                              | METODO BCRA          |
|                                            | Shod ramp slipperiness                                                                                            | See manufacturer's declaration                                    |                       |          | R11 (19° < α ≤ 27°)                 | DIN EN 16165 ANNEX B |
|                                            | Barefoot ramp slipperiness                                                                                        | See manufacturer's declaration                                    |                       |          | Class C (α > 24°)                   | DIN EN 16165 ANNEX A |
|                                            | Pendulum test slipperiness                                                                                        | See manufacturer's declaration                                    |                       |          | PTV > 36 (slider 96)                | BS EN 16165 ANNEX C  |