

## Coil 2



### CeramicSteel Surface (24 G)

0.48 mm thick steel coated with vitreous enamel surface with a total thickness of 0.74 mm

| CeramicSteel Surface    | Testing Standard           | Unit              | Value                                                                  |
|-------------------------|----------------------------|-------------------|------------------------------------------------------------------------|
| Gloss – Type G          | ISO 2813<br>ASTM D 523     | Gloss units (GU)  | 65 ± 10 GU (20°)                                                       |
| Gloss – Type M          | ISO 2813<br>ASTM D 523     | Gloss units (GU)  | 60 ± 10 GU (60°)                                                       |
| Color tolerance         | ISO 7724<br>ASTM D 2244-02 | $\Delta E^{94}$   | $\Delta E^{94} \leq 1.5$ (compared to reference sample)                |
| Reflectance             | ISO 7724<br>ASTM D 2244-02 | %                 | Y-Value up to 85%, depending on color                                  |
| Defect appearance       | EN 438-2:4                 |                   | Free from defects liable to change the general appearance of the panel |
| Mohs hardness           | EN 15771                   |                   | Min. 5                                                                 |
| Scratch resistance      | ISO 15695                  | N                 | Min. 7                                                                 |
| Pencil hardness         | ASTM D-3363                |                   | > 9H                                                                   |
| Wear resistance         | ASTM C501                  | g                 | Max. 0.1 (abrasive S33 1 kg/1000 rev)                                  |
| Impact                  | ISO 4532                   |                   | No damage over 2 mm after 24 h (20 N load)                             |
| Coating adhesion        | EN 10209 Annex D           |                   | Min. class 2                                                           |
| Porosity                | EN ISO 2746                | #/m <sup>2</sup>  | < 10                                                                   |
| Cold acid resistance    | ISO 28706-1-9              |                   | Min. class A                                                           |
| Boiling acid resistance | ISO 28706-2-10             | g/m <sup>2</sup>  | Max. 18.5                                                              |
| UV resistance           | ISO 4892-3 (cycle 2)       | $\Delta E^{94}$   | $\Delta E^{94} \leq 0.5$ (2000 h)                                      |
| Color stability         | ASTM C 538                 | $\Delta E^{94}$   | $\Delta E^{94} \leq 5$ (24 h)                                          |
| Graffiti resistance     | EN ISO 28722 (§7)          |                   | No color or gloss change after cleaning                                |
| Weight                  | N/A                        | kg/m <sup>2</sup> | 4.3                                                                    |

#### This CeramicSteel conforms to the following internationally recognized standards:

ISO 28722, Vitreous and porcelain enamels – Characteristics of enamel coatings applied to steel panels intended for architecture

European Normalization, EN 14431 – Vitreous and porcelain enamels – Characteristics of the enamel coatings applied to steel panels intended for architecture

Porcelain Enamel Institute, PEI 1001 – Specifications for architectural porcelain enamel

European Enamel Authority, EEA 7.13, 7.14 – Quality requirement for architectural panels