

**U.S. FLOORING COMPANY**

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**TECHNICAL DATA –FULLY VITRIFIED CERAMIC TILE**

**Material:** Fully Vitrified Ceramic Tiles, unglazed, dry pressed  
Fire-sealed (according to ISO 10545, 1-17)

**Collection:** ZF - 100x200x18mm (4"x 8"x 3/4"),  
ZF - 100x18mm (4"x 3/4") Hexagon

**Surface:** R11, R12, R13

**Colors:** plain, speckled, mottled, red



Porsche color shown above

| Dimension and flatness | Standard Values | DIN / EN | VERSILINE™ Fully-Vitrified Ceramics  |
|------------------------|-----------------|----------|--|
| 1. Length and Width    | ± 0.75 %        | EN 98    | VERSILINE™ Fully-vitrified tiles fulfill or exceed the requirements for dimensional tolerance and flatness according to all relevant DIN / EN / ISO standards. |
| 2. Width               | ± 0.75 %        | EN 98    |  |
| 3. Thickness           | ± 5.0 %         | EN 98    |  |
| 4. Edge deviation      | ± 0.5 %         | EN 98    |  |

**Physical Properties**

|                              |                           |           |                         |
|------------------------------|---------------------------|-----------|-------------------------|
| 1. Water Absorption          | max, 0.5%                 | EN 99     | 0.1% < 0.5%             |
| 2. Bending Strength          | min, 27 N/mm <sup>2</sup> | EN 100    | > 51 N/mm <sup>2</sup>  |
| 3. Impact Resistance         | 5,800 N                   | EN 100    | > 8,200 N               |
| 4. Frost Resistance          | Required                  | EN 202    | Fulfilled               |
| 5. Hardness (MOH)            | 6                         | EN 101    | 7                       |
| 6. Deep Abrasion Resistance  | max, < 205mm <sup>3</sup> | EN 102    | < 141mm <sup>3</sup>    |
| 7. Compressive Strength      | 150 N/mm <sup>2</sup>     | DIN 18158 | > 340 N/mm <sup>2</sup> |
| 8. Light and Color Stability | Required                  | DIN 51094 | Fulfilled               |
| 9. Resistance to Fire        | non-combustible           | DIN 4102  | Fulfilled               |
| 10. Chemical Resistance      | min, Class B              | EN 106    | Fulfilled               |
| 11. Shade Variation (Color)  | V1,V2,V3,V4               | INDUSTRY  | ≤ V2                    |

U.S. Flooring Company is a single-source company performing all work with U.S. Flooring Company crews. Our crews have the proper equipment and dust collection systems to perform our job to the highest industry standards. We deliver quality in every aspect of our team, from our company leaders to our manufacturers and crew teams. Our extensive experience providing targeted solutions to the Food and Beverage Industry qualifies us to take on your most challenging problems. Call U.S. Flooring Company today for an independent consultation to discuss the needs and requirements of your facility and how to convert your infrastructure linings from a liability to a low-cost asset.



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