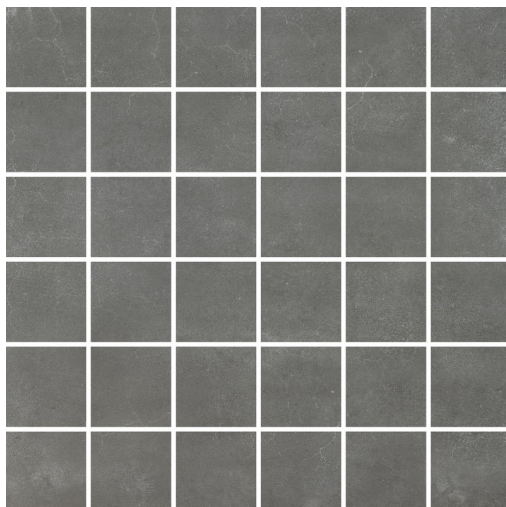


# REFINE PRODUCT DATA SHEET



## Available Sizes

300x300x9mm (50x50mm)

## Samples Service

Tel: +44 (0)1782 524 043

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Email: [samples@johnson-tiles.com](mailto:samples@johnson-tiles.com)

## Technical Helpline

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Email: [techadvice@johnson-tiles.com](mailto:techadvice@johnson-tiles.com)

[www.johnson-tiles.com](http://www.johnson-tiles.com)

Recycled Content **Up to 30%**

|                         |                                     |
|-------------------------|-------------------------------------|
| Range                   | <b>Refine</b>                       |
| Category                | <b>Stone, Mosaic, Floor Tiles</b>   |
| Collection              | <b>Absolute Collection</b>          |
| Short Code              | <b>REF4NM</b>                       |
| Colour                  | <b>Basalt</b>                       |
| Finish                  | <b>Natural - 50mm Square Mosaic</b> |
| Wall Suitability        | <b>Internal &amp; External</b>      |
| Floor Suitability       | <b>Internal Only</b>                |
| Wet Barefoot            | <b>-</b>                            |
| Material                | <b>Porcelain</b>                    |
| Classification          | <b>Bla</b>                          |
| Light Reflectance Value | <b>19.00</b>                        |
| CSV                     | <b>V2</b>                           |
| PTV (96)                | <b>Wet 25-35 Dry 36+</b>            |
| PTV (55)                | <b>-</b>                            |
| R Value                 | <b>9</b>                            |
| Wet Ramp                | <b>A</b>                            |
| PEI                     | <b>-</b>                            |
| Traffic                 | <b>Commercial</b>                   |

## Physical Properties

| Test / Standard   | Requirement                       | Test Result                              |
|---|-----------------------------------|--|
| <b>Length/Width</b><br>EN ISO 10545-2                                   | $\pm 0.6\% \leq \pm 2\text{mm}$   | <b>Pass</b>                              |
| <b>Thickness</b><br>EN ISO 10545-2                                      | $\pm 5\% \leq \pm 0.5\text{mm}$   | <b>Pass</b>                              |
| <b>Straightness of Sides</b><br>EN ISO 10545-2                          | $\pm 0.5\% \leq \pm 1.5\text{mm}$ | <b>Pass</b>                              |
| <b>Rectangularity</b><br>EN ISO 10545-2                                 | $\pm 0.5\% \leq \pm 2\text{mm}$   | <b>Pass</b>                              |
| <b>Surface Flatness</b><br>EN ISO 10545-2                               | $\pm 0.5\% \leq \pm 2\text{mm}$   | <b>Pass</b>                              |
| <b>Water Absorption</b><br>EN ISO 10545-3                               | $\leq 0.5\%$                      | <b><math>\leq 0.5\%</math></b>           |
| <b>Modulus of Rupture</b><br>EN ISO 10545-4                             | $\geq 35\text{N/mm}^2$            | <b><math>\geq 35\text{N/mm}^2</math></b> |
| <b>Thermal Shock</b><br>EN ISO 10545-9                                  | Pass                              | <b>Pass</b>                              |
| <b>Frost Resistance</b><br>EN ISO 10545-12                              | Resistant                         | <b>Resistant</b>                         |
| <b>Chemical Resistance</b><br>EN ISO 10545-13                           | Min Class B                       | <b>Pass</b>                              |
| <b>Stain Resistance</b><br>EN ISO 10545-14                              | Min Class 3                       | <b>Class 5</b>                           |
| <b>Fire Rating</b><br>Not Applicable                                    | N/A                               | <b>Class A I FL Non Combustible</b>      |
| <b>Weight/m²</b><br>Thickness: 6mm<br>Thickness: 9mm<br>Thickness: 20mm |                                   | <b>14.09kg<br/>21.19kg<br/>45.85kg</b>   |

Tile colours shown of the tile product on this data sheet are as accurate as the limitations of the printing process will allow. Due to the manufacturing process of all floor tiles there may be small variations in slip resistance. The slip resistance values provided are accurate at the time of testing and represent the standard production value. Please note, inadequate cleaning and maintenance will lead to a significant reduction in the slip resistance of any tiles. The pendulum test results are displayed in line with The Health & Safety Executive guidelines whereby 0 - 24 represents a high slip potential, 25 - 35 signifies a moderate slip potential and 36+ represents a low slip potential. All figures are accurate at the time of this data sheets creation (09/05/2025). Johnson Tiles Limited, Harewood Street, Tunstall, Stoke-on-Trent. ST6 5JZ. Registered in England No. 15600432. © 2025 Johnson Tiles. All rights reserved.

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**JOHNSON  
TILES**