

# VS.90


Ultra-thin - from just 3.5mm - yet so strong it can be laid in 3m x 1m slabs on floors, walls or as an overlay. With low embodied carbon, up to 40% pre-consumer recycled content, flexible sizes and over one hundred colours and finishes, it's time to join the surface revolution. With a LEED and EPD certifications, it's a range perfectly in step with 21st century living.


To see the full range or download the Brochure, visit: [www.ecofriendlytiles.co.uk/eco/surface-brochure](http://www.ecofriendlytiles.co.uk/eco/surface-brochure)





## Natural


### Properties


  
Carbon Offset


  
Chemical Resistant


  
Frost Resistant


  
Thermal Shock Resistant


  
More Colours Available


  
BREEAM


  
EPD


  
LEED


  
SKA

  
ISO 14001

  
R9

  
PTV 36+

  
UP TO 20%  
Recycled Content

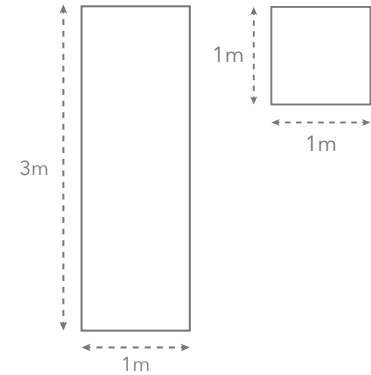
  
Pre Consumer Recycled Content

### Other formats

### Other finishes

### Sizes available in

- 3.5mm  Wall (with mesh)
- 5.6mm  Floor / Wall / Overlay



FOR OFFICE USE ONLY



Stone Look  
Large Format  
BREEAM/LEED





ECO  
FRIENDLY  
TILES®  
*The planet, covered*

[www.ecofriendlytiles.co.uk](http://www.ecofriendlytiles.co.uk)

Eco Friendly Tiles Ltd  
Ground Floor, Solon House  
40a Peterborough Road  
London  
SW6 3BN  
  
0844 980 2233  
[info@ecofriendlytiles.co.uk](mailto:info@ecofriendlytiles.co.uk)  
[ecofriendlytiles.co.uk](http://ecofriendlytiles.co.uk)

# Technical Specification

## Code: VS.90



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Ground Floor, Solon House  
40a Peterborough Road  
London  
SW6 3BN  
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### Certifications



Physical & chemical properties	Norm/test method	Shannon 3.5mm	Shannon 5.6mm
Length & Width (1000x3000 mm)	ISO 10545-2	Max. deviation on the side +/- 0.5mm	Max. deviation on the side +/- 0.5mm
(1200x3000 mm)	ISO 10545-2	-	Minimum size: ≥ 1210x3050 mm
(1620x3240 mm)	ISO 10545-2	-	Minimum size: ≥ 1630x3250 mm
Difference between diagonals	Factory	Max. +/- 1.5mm	Max. +/- 1.5mm
Weight	Factory	Average value 8.2kg/m <sup>2</sup>	Average value 14.5kg/m <sup>2</sup>
Surface quality/% of tiles with no visible flaws	ISO 10545-2	> 95%	> 95%
Water absorption	ISO 10545-3 / ASTM C373	Average value 0.1%	Average Value ≤ 0.1%
Breaking strength in N (samples 200x300mm)	ISO 10545-4	Average value 700	Average value 1100
Modulus of rupture in N/mm <sup>2</sup> (samples 200x300mm)	ISO 10454-4	Average value 50	Average value 50
Resistance to deep abrasion	ISO 10545-6	≤ 175mm <sup>3</sup>	≤ 175mm <sup>3</sup>
Coefficient of linear thermal expansion / 10 <sup>-6</sup> / 0 <sup>c</sup>	ISO 10545-8	Average value 6.6	Average value 6.6
Resistance to thermal shock	ISO 10545-9	Compliant	Compliant
Resistance to freeze-thaw	ISO 10545-12	Compliant	Compliant
Chemical resistance	ISO 10545-13	Class: from A to B	Class: from A to B
Stain resistance	ISO 10545-14	Class: from 4 to 5	Class: from 4 to 5
Coefficient of friction	DIN 51130	R9	R9
	BS 7976-2:2002 Pendulum	PTV 36+	PTV 36+
Fire reaction	EN 13501 (rev. 2005)	A2 - s1, d0	A1 (decision 96/603/CE as amended)

This technical information sheet is not a guarantee of performance and is not a warranty, either explicit or implicit. Rather, it tries to summarize for the designer, installer or developer the technical data provided to Eco Friendly Tiles by the independent tile manufacturer. This information may not be applicable in all geographical areas. It is the responsibility of those individuals who are referring to this document to independently research and determine which tiles are suitable for a given project according to applicable British or International Standards and any governing legislative requirements. This document cannot be used as expert opinion, evidence or in any legal or administrative procedure unless authorized by Eco Friendly Tiles Ltd.