

# FORESSO®

## TECHNICAL DATA SHEET

### MATERIAL COMPOSITION

Material	Origin	Notes
End grain wood chips	UK	Made in-house from British timber waste
Wood dust/planing waste	UK	Sourced from SMEs in the UK
Mineral Powders	UK	50% sourced as waste
0% VOC bio-based epoxy resin	France	34% Biological Content
Pigment	UK	98% Biological Content
BB/BB Birch Plywood	Latvia	100% FSC

### STORAGE

Temperature - min 19°C  
Relative Humidity - 35% - 65%

**NB** - If stored in cold conditions Foreosso sheets can warp, this can happen when items are in transit. In the event of bowing or cupping store lying down flat in a suitable environment as detailed above.

Please allow at least 1 hour for panels to relax, the top surface should not feel cold to the touch.

### MATERIAL VARIATION

Foresso is a handmade panel containing natural materials and as such no two panels will be the same.

- Wood chips will vary in colour, tone, size, grain patterns, and will include knots and other character. This will vary within a sheet and between sheets, samples are indicative only and do not guarantee a timber colour.
- Chip density will vary within each sheet and between sheets. There will be areas with lesser and greater chip density.
- The sheet surface can contain small pores, indentations, or other small oddities as a result of our hand casting process. These are not considered defects and do not affect the performance of the surface.
- Sheets can vary in both thickness and flatness :
  - eg. A sheet may be 24mm in one area, and 23mm in another.
  - eg. Overall flatness along length or width can vary from sheet to sheet.

## MATERIAL PROPERTIES

### Compressive Strength

Proportional Limit	10.31 MPa
Strain at Limit	2.17%
Turning Point	13.10 MPa
Strain at Turning Point	2.45%
Compression Modulus	892.46 MPa

### Flexural Strength

Maximum Flexural Stress	77.06 MPa
Strain at Break	1.78%
Flexural Modulus	5498.68 MPa

### Fire Rating

*Report ref WF438198*

BS 476 Part 7 (1997)	Class 2
----------------------	---------

### Slip Rating

*Report ref SP2598*

Dry <i>BS 7976-2:2002 + A1:2013</i>	Low Slip Potential (52 PTV average - R12)
Wet <i>BS 7976-2:2002 + A1:2013</i>	Moderate Slip Potential (26 PTV average - R10)

### Tolerances

Thickness	23.5mm +/- 0.5mm
Length and Width (Sheets)	Sheets are supplied with a "factory" edge which must be trimmed. Please allow 10mm on every edge.
Length and Width (Flooring/CNC)	+/- 1mm