

## INTRODUCTION

Foresso is a handmade panel containing natural materials and as such no two panels will be the same. Ensure that you familiarise yourself with the possible variation and storage conditions to ensure optimal usage.

- 01 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.
- 02 Chip density will vary within each sheet and between sheets. There will be areas with lesser and greater chip density.
- 03 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.
- 04 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.
- 05 Sheets should be stored at min 18°C and at a relative humidity of 35% - 65% wherever possible.
- 06 If stored in cold conditions Foresso sheets can bow or cup. This can occur in transit. Ensure that the sheets are given time to acclimatise to their environment and are stored as detailed above.



## 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 | UK     | 34% Biological Content                  |
| Pigment                      | UK     | 98% Biological Content                  |
| BB/BB Birch Plywood          | EU     | FSC & PEFC                              |
| Standard Hardwax Oil Finish  | UK     | Food-safe Natural Oil                   |

## 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 |
| TOLERANCES           | Thickness: 23.5mm  | +/- 0.5 mm  |
|                      | Length and Width (Sheets)<br>Sheets are supplied with a factory edge and can include slightly rounded corners/ends | +/- 10 mm   |
|                      | Length and Width (Flooring/CNC)  | +/- 1 mm    |



## CERTIFICATION

|   |   |   |
|---|---|---|
| FIRE RATING<br>BS 476 PART 7 (1997)           | Report reference<br>REPORT REF WF438198 | Result<br>CLASS 2                               |
| SLIP RATING – DRY<br>BS 7976-2:2002 + A1:2013 | Report reference<br>REPORT REF SP2598   | Low Slip Potential<br>52 PTV AVERAGE - R12      |
| SLIP RATING – WET<br>BS 7976-2:2002 + A1:2013 | Report reference<br>REPORT REF SP2598   | Moderate Slip Potential<br>26 PTV AVERAGE - R10 |

## FINISHES

| Name                           | Standard                | Description   |
|--------------------------------|-------------------------|---|
| Hardwax Oil                    | EN71-3: 2013            | Food safe natural worktop oil with high resistance to scratching and staining.                      |
| High Traffic Furniture Lacquer | FIRA 6250:2005          | Horizontal surfaces in Heavy/Severe contract usage  |
| High Traffic Floor Lacquer     | 2004/42/EC              | Medium to High traffic lacquer for wooden floors in commercial and insitutional environments.       |
| Anti-slip Floor Lacquer        | 2004/42/EC<br>BS 7976-2 | Reduces slip potential in bars, schools, shopping centres, and all other high traffic public areas. |
| Fire Rated Lacquer             | BS476 Part 6            | Fire Propagation of Products<br>Report Number: 315455   |
|                                | BS476 Part 7            | Surface Spread of Flame of Products<br>Report Number: 315456  |
|                                | EN13501-1               | "Euro" Classification B-s1,d0<br>Report Number 333923   |
|                                | FIRA 6250:2005          | Horizontal surfaces in Heavy/Severe contract usage  |