



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.

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| 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) 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 BS 476 PART 7 (1997)	Report reference REPORT REF WF438198	Result CLASS 2
SLIP RATING – DRY BS 7976-2:2002 + A1:2013	Report reference REPORT REF SP2598	Low Slip Potential 52 PTV AVERAGE - R12
SLIP RATING – WET BS 7976-2:2002 + A1:2013	Report reference REPORT REF SP2598	Moderate Slip Potential 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 institutional environments.
Anti-slip Floor Lacquer	2004/42/EC 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 Report Number: 315455
	BS476 Part 7	Surface Spread of Flame of Products Report Number: 315456
	EN13501-1	"Euro" Classification B-s1,d0 Report Number 333923
	FIRA 6250:2005	Horizontal surfaces in Heavy/Severe contract usage



EMISSIONS & HAZARDOUS SUBSTANCES

DATE OF TESTING	18 / 05 / 2023
REPORT REFERENCE	CHEM-23-01468-1
SAMPLE DESCRIPTION	Foresso Sheet Material
COATING	Hardwax Oil

AVOIDANCE OF HAZARDOUS SUBSTANCES

Test Parameter	Test Method	Unit	Result	Reporting Limit
Cadmium (Cd)	IEC 62321-5: 2013	mg/kg	Not Detected	10
Lead (Pb)	IEC 62321-5: 2013	mg/kg	Not Detected	10
Mercury (Hg)	IEC 62321-4: 2017	mg/kg	Not Detected	10
Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-2: 2017	mg/kg	Not Detected	10

EMISSION ANALYSIS / AFTER 7 DAYS

Test Parameter	Test Method	Unit	Result	Reporting Limit
TVOC	ISO 16000-9: 2006 & NIOSH2549:1996 (ATD-GC/MS)	mg/m ³	0.01	0.01
Formaldehyde	ISO 16000-9: 2006 & NIOSH 2016: 2016 (UV)	mg/m ³	Not Detected	0.005