

FORESSO®

GUIDE TO WORKING WITH FORESSO

SHEET SPECIFICATIONS

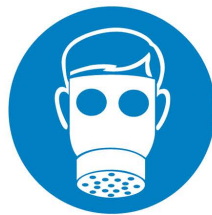
- SHEET SIZE:** 2440mm long x 1220mm wide x 24mm thick
Composed of 6mm Foreosso top layer with 18mm Birch plywood substrate.
- FORESSO CONTENT:** The Foreosso layer is composed of 85% recycled content sourced as offcuts, wood waste from timber merchants or sawmills and plaster waste from foundries.
- The binder is composed of plaster waste, wood dust, pigment, and 0% VOC bio-based epoxy resin.
- SUBSTRATE:** 18mm FSC BB/BB Latvian Birch throughout Plywood, phenol glue EN314-2 Class 3, EN636-2, EN13986 CE2+, CPR Compliant.

SAFETY AND STORAGE

- SAFETY:** Cutting, alteration, and installation of Foreosso panels should be carried out only by competent professionals with suitable equipment and PPE.



**EAR DEFENDERS
MUST BE WORN**



**DUST MASK
MUST BE WORN**



**FACE SHIELD
MUST BE WORN**



**SAFETY GLOVES
MUST BE WORN**

- STORAGE:** Foreosso sheets must be stored where no moisture can attack them. It is important that any wet trades be completed before sheets are received on site.

Storage conditions must have a relative humidity of between 35% and 65% and be suitable for timber products.

- NOTES:** Foreosso sheets contain natural materials and as such no two panels will be the same. A sheet will contain a number of tones, chip sizes, chip densities, grain patterns, and may contain some tiny pores or small dips as a result of our casting process.

We are committed to using the every part of the tree so there will be timber chips with knots, whirls, oddities, and sometimes pieces of bark included in each Foreosso sheet.

We cannot be held responsible for damage caused by poor workmanship, improper storage conditions, nor damage on site.

PROCESSING FORESSO

We recommend diamond tipped (PCD) tooling for all cutting and processing of Foresso sheets.

Do not use planers or calibration sanding machines on the Foresso face as this will remove the finished surface and require considerable repair work to rectify.

WARNING - Cut edges can be sharp, always wear cut resistant gloves when handling cut panels.

CUTTING: Foresso can be cut with circular saws such as a rail saw, chop saw, or table saw equipped with a suitable blade.

For mitres and fine cuts apply a line of masking tape along the cut line and cut slowly to ensure that you do not chip the Foresso surface nor splinter the plywood.

DRILLING: Both the face and back of Foresso can be drilled. If screwing through the face try to avoid the woodchips so that the screwhead can be covered and hidden.

CNC PROCESSING FORESSO

If your workshop conditions are cold this may affect the flatness of your Foresso sheet. Either warm the surface up or cut upside down as the vacuum bed of your CNC machine will be able to flatten the sheet and allow processing.

The guidance below is based on our own experience of CNC processing, each machine, tool and project is different and it is the responsibility of the operator to ensure safe working practices. We cannot be held responsible for poor workmanship or improper use of machinery.

SIZING: Tool : 16mm PCD Compression Spiral
Feed Speed : 8-12m/min
Passes : 6mm per pass

POCKETING: Material Removal : Carbide or PCD Downspiral
Finishing : PCD downspiral or finishing cutter
Feed Speed : At discretion of operator
Passes : At discretion of operator

MITRE CUTTING: Tool : PCD Mitre Cutter or PCD V-Groove Cutter
Feed Speed : 3-5m/min
Passes : 9mm per pass, final pass at 3mm

PROFILE CUTTING: Tool : PCD Profile Cutter
Feed Speed : At discretion of operator
Passes : At discretion of operator

INSTALLATION & FINISHING FORESSO

INSTALLING: Forezzo panels can be fixed from behind into their plywood substrate, or through the face into the carcass, wall, or floor sub-layer using wood screws.

Refer to our "FORESSO Floor Glue Down Installation" document for instructions specific to flooring.

As a general rule rooms / areas should be adequately ventilated to prevent a build up of moisture in the atmosphere. Wood naturally changes size over the course of the year due to seasonal differences.

RE-SANDING: To re-sand Forezzo once work is complete use an orbital sander :

- Start at P120 or P180.
- Work up to P320.
- Where possible do not angle the sander, keep it flat to the surface.

Please note that the natural colour of the wood and the binder will return once oiled. You should aim for an even and smooth finish when sanding.

OILING: Once work is complete re-oil the surface using FORESSO® maintenance oil or similar product suitable for timber following the manufacturer's instructions.

Apply the oil and then buff the excess off the surface using circular motions, continue until the surface feels smooth with no tackiness left. Repeat the process 2-4 times, depending on the oil used.

Forezzo surfaces should be re-oiled once or twice a year, depending on how heavily they are used. Please follow our maintenance guidelines.

LACQUER: A lacquer coating can be applied by your project contractor to meet project needs such as slip ratings, fire resistance, and for high traffic environments.

Apply as you would to a timber surface, denibbing between coats. The surface is finished when you can't see any pores in the timber and the surface feels smooth to the touch.

We recommend a **30% sheen** lacquer, but other sheens can be applied as desired.

FURTHER INFORMATION: If you have project specific questions we are always happy to help, please email contact@foresso.co.uk or call +44 203 302 7387