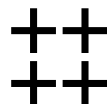




COLLECTION

Custom lignin-based furniture board
The natural choice for designers who
dare to imagine.

LIGNINIUM®
Think in Color



LIGNINIUM NANO

Thickness: 0.7 mm
Finish: FENIX NTM®

Ligninium Nano is our superior furniture board collection, designed for projects requiring top performance without compromising environmental values. Nano is made up of a carbon-neutral surface, a bio-based adhesive, and

a core of either lignin-based chipboard or MDF. The product features a nanotechnology-based surface that is non-reflective and fingerprint-resistant, requiring no special maintenance. Ligninium Nano is available in 24 colors.



0029
BIANCO MALÉ
FENIX NTM



0030
BIANCO ALASKA
FENIX NTM



0032
BIANCO KOS
FENIX NTM



0717
CASTORO OTTAWA
FENIX NTM



0718
GRIGIO LONDRA
FENIX NTM



0719
BEIGE LUXOR
FENIX NTM



0720
NERO INGO
FENIX NTM



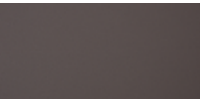
0724
GRIGIO BROMO
FENIX NTM



0725
GRIGIO EFESO
FENIX NTM



0748
BEIGE ARIZONA
FENIX NTM



0749
CACAO ORINOCO
FENIX NTM



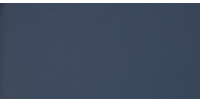
0750
VERDE COMODORO
FENIX NTM



0751
ROSSO JAIPUR
FENIX NTM



0752
GRIGIO ANTRIM
FENIX NTM



0754
BLU FES
FENIX NTM



0770
ROSSO ASKJA
FENIX NTM



0771
AZZURRO NAXOS
FENIX NTM



0773
VERDE BRAC
FENIX NTM



0789
ROSSO NAMIB
FENIX NTM



0790
VIOLA ORISSA
FENIX NTM



0791
GIALLO EVORA
FENIX NTM



0792
BLU SHABA
FENIX NTM



0793
GRIGIO ARAGONA
FENIX NTM



0794
VERDE KITAMI
FENIX NTM

LIGNINIUM BASIC

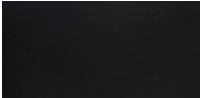
Thickness: 0.7 mm
Finish: Erre

Ligninium Basic is an economical all-rounder, ideal for both furniture surfaces and frames. Ligninium Basic features a lignin-based surface with 50% reduced phenol, a bio-based adhesive, and a core of either lignin-based

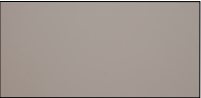
chipboard or MDF. Ligninium Basic features a matte Erre finish. Ligninium Basic is available in five neutral colors that can be easily paired with both the Ligninium+ and Ligninium Nano ranges.



0001
BIANCO
ERRE



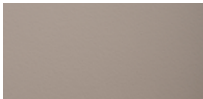
0509
NERO
ERRE



0616
GRIGIO ALPACA
ERRE



0623
GRIGIO FERRO
ERRE



0737
BEIGE ATLANTIDE
ERRE

These swatches are references.
Please order samples at sales@ligninium.com.

FINISHES

Kër finish offers silky-smooth matte surfaces which soften colours and highlights the harmony of composition.

Erre is a matte with ripple texture that adds sensuous tactility to its resistance.

Lucida is a high gloss finish that gives a unique sheen to surfaces.

FENIX NTM® is a super matte, low light reflectivity, surface. This finish features a very pleasant soft touch and is anti-fingerprint.



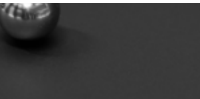
KÈR
SMOOTH MATTE



ERRE
MATTE



LUCIDA
HIGH GLOSS



FENIX NTM
SUPER MATTE

LIGNINIUM+

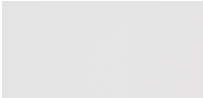
Thickness: 0.7 mm
Finishes: K r, Erre, Lucida

Ligninium+ is our premium-quality furniture board collection. Ligninium+ is the perfect choice for projects that require high quality and versatility in both color and surface finish options. Ligninium+ features a lignin-based

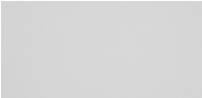
surface with 50% reduced phenol, a bio-based adhesive, and a core of either lignin-based chipboard or MDF. It offers three surface options: smooth matte K r, matte Erre, and high-gloss Lucida. Ligninium+ is available in 44 colors.



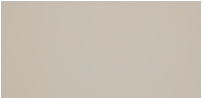
0001
BIANCO
LUCIDA, K r



0010
BIANCO AZZURRO
ERRE, LUCIDA, K r



0028
BIANCO NUBE
ERRE, LUCIDA, K r



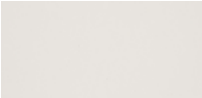
0201
SABBIA
ERRE, LUCIDA, K r



0210
GRIGIO MEDIO
ERRE, LUCIDA, K r



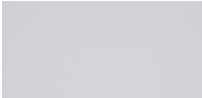
0211
GRIGIO PERLA
ERRE, LUCIDA, K r



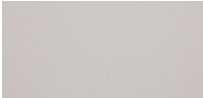
0244
PORCELLANA
ERRE, LUCIDA, K r



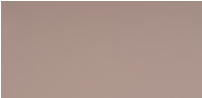
0247
GRIGIO SILICEO
ERRE, LUCIDA, K r



0249
BIANCO DEC 
ERRE, LUCIDA, K r



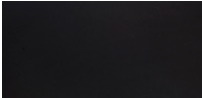
0266
AVORIO CISA
ERRE, LUCIDA, K r



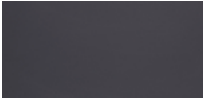
0275
ROSA BOURBON
ERRE, LUCIDA, K r



0507
BLU NOTTE
ERRE, LUCIDA, K r



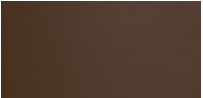
0509
NERO
LUCIDA, K r



0526
GRIGIO ANTRACITE
ERRE, LUCIDA, K r



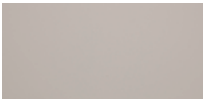
0527
GRIGIO ARGENTO
ERRE, LUCIDA, K r



0553
CIOCCOLATO
ERRE, LUCIDA, K r



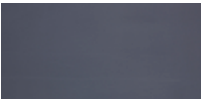
0616
GRIGIO ALPACA
LUCIDA, K r



0622
GRIGIO VIOLA
ERRE, LUCIDA, K r



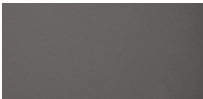
0623
GRIGIO FERRO
LUCIDA, K r



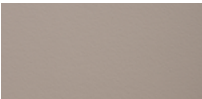
0700
GRIGIO VERNICE
ERRE, LUCIDA, K r



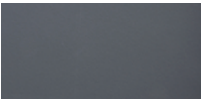
0735
CASTORO FIBER
ERRE, LUCIDA, K r



0736
GRIGIO BRITISH
ERRE, LUCIDA, K r



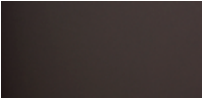
0737
BEIGE ATLANTIDE
LUCIDA, K r



0738
GRIGIO TRAFFICO
ERRE, LUCIDA, K r



0739
GRIGIO TELA
ERRE, LUCIDA, K r



0758
CACAO NOCORIN
ERRE, LUCIDA, K r



0759
ROSSO PURJAI
ERRE, LUCIDA, K r



0760
VERDE MODO
ERRE, LUCIDA, K r



0761
GRIGIO RIMANT
ERRE, LUCIDA, K r



0775
ROSSO FALUN
ERRE, LUCIDA, K r



0776
VERDE CELADON
ERRE, LUCIDA, K r



0777
VERDE MARINO
ERRE, LUCIDA, K r



0778
MAGGESE
ERRE, LUCIDA, K r



0779
ROSA SHADE
ERRE, LUCIDA, K r



0780
BLU BERTA
ERRE, LUCIDA, K r



0781
VERDE PINO
ERRE, LUCIDA, K r



0782
ROSSO CARMINIO
ERRE, LUCIDA, K r



0783
VERDE FELCE
ERRE, LUCIDA, K r



0784
BLU AVIO
ERRE, LUCIDA, K r



0785
GIALLO CANARY
ERRE, LUCIDA, K r



0795
VIOLA OSSIRO
ERRE, LUCIDA, K r



0796
BLU ABASH
ERRE, LUCIDA, K r



0797
GRIGIO AGANORA
ERRE, LUCIDA, K r



0798
VERDE MATIKI
ERRE, LUCIDA, K r

Think in Color

Built-in furniture isn't just a part of architecture – it's the heart of a space, influencing how the space is experienced and perceived.

Ligninium was created to elevate built-in furniture to its rightful place: aesthetically stunning and functional, without compromising on environmental values.

We stand for the power of color. In interiors, colors create rhythm and harmony, shape spaces and evoke emotions. Our curated color library offers a wide range of shades that work beautifully both together and individually.

What is Lignin?

Lignin is nature's own adhesive. It is found in the cell walls of plants and trees, where it provides strength and stability. Lignin is the second most abundant natural polymer on Earth, after cellulose.

Lignin can be used as a sustainable alternative to fossil-based adhesives. By harnessing lignin's natural binding properties, we create products that are not only strong and durable but also friendlier to the environment.

PROCESS

1. LIGNIN

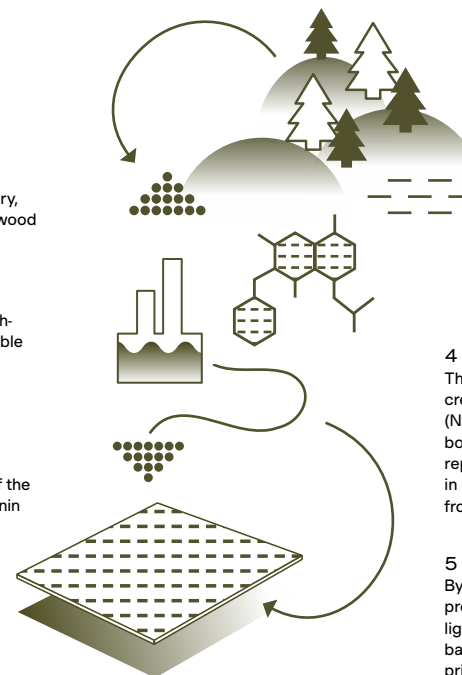
Lignin is a by-product of the pulp and paper industry, extracted during the softwood pulping process.

2. REFINING

Lignin is refined into a high-performance binder capable of replacing fossil-based adhesives.

3. BINDING

Products like chipboard and MDF – by-products of the wood industry – utilize lignin as a binder.



4. NAF BOARDS

This process results in the creation of sustainable NAF (No Added Formaldehyde) boards. Lignin effectively replaces fossil-based binders in high-pressure laminates made from compressed paper.

5. LIGNINIUM

By combining these end products bound together with lignin we get Ligninium lignin-based furniture boards that prioritize sustainable innovation, down to the product's core.

STRUCTURE AND MATERIALS

SURFACE

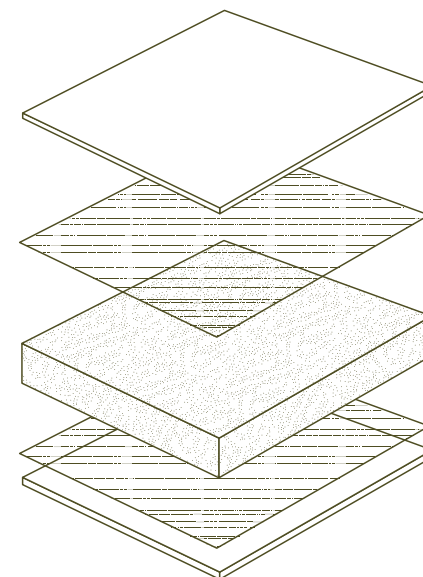
The surface material is a lignin high pressure laminate. The material is resistant to scratches, impact, abrasion and heat.

GLUE

The surface and core are bound together with a biodegradable glue.

CORE

The core of the board is either lignin-based NAF chipboard or lignin-based NAF MDF.





Custom lignin-based furniture board
The natural choice for designers who
dare to imagine.

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LIGNINIUM®
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