

BLOOM

Arpa 

FENIX[®]

Beyond the surface
Core innovation for interior design

Game changer

Innovation and sustainability are Arpa Industriale's drivers in the creation of valuable and durable materials for interior design. The road to the development of Bloom technology began in 2012, when the Research and Development department started to focus its research on lignin in an effort to increase the use of sustainable raw materials. In partnership with universities and research institutes, we developed a proprietary lignin-based resin.

Natural glue

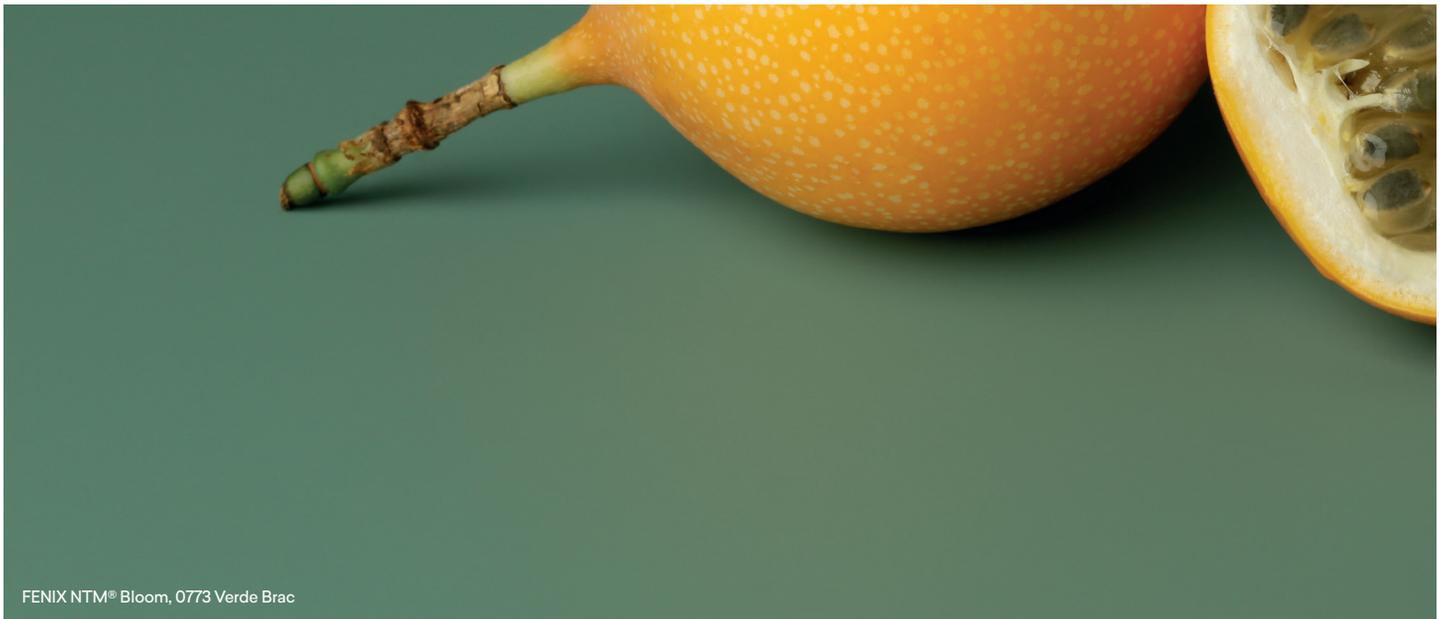
Lignin is a natural polymer that gives wood its rigidity and strength to resist external forces. After cellulose, it is the second most abundant natural polymer in the world. It is a renewable raw material. It is also a by-product of the pulp making process, which makes it already available in large quantities. Normally used by the pulp industry to produce energy, its use in thermosetting resins is innovative.

Higher value

Arpa always takes actions that provide a "win" for the environment and for clients too. The Bloom technology allows to maintain the quality and well-known features of FENIX NTM® and Arpa®, while supporting our clients in realising their sustainability challenges. It means that Bloom provides a higher value to our clients' projects and products with no implications in term of quality and performance.



Lignin, a natural polymer



Blooming into the core

Sustainability is not something you dream about, but something you do. It's about acting. True to this vision, Arpa Industriale has developed Bloom, a new core technology for FENIX NTM® and Arpa® High Quality Surfaces.

Arpa products are made of paper and thermosetting resins based on phenol. With Bloom, lignin technology has been introduced to significantly reduce the amount of phenol included in the resin by 50%. Lignin is a natural polymer defined as the glue that holds wood fibres together.

With this innovation most of the key ingredients for Arpa products originate from the same place: responsibly managed forests.

Bloom technology awards & recognitions:

Materialpreis, 2020

ADI Design Index, 2020

Interzum Award, "Best of the Best", 2021

Iconic Awards, "Best of Best" Innovative Material, 2021

Innovation Award Architecture+ Presentation, 2023



materialPREIS2020



Arpa® Bloom

Arpa® are high pressure laminates designed by Arpa Industriale and have all the style of a made-in-Italy product. It is a material that is both easy to work with and extremely strong: resistant to scratches, impact, abrasion and heat. These features make it ideal for a wide range of horizontal and vertical applications for interior design.

A selection of 44 plain colours from the Colorsintesi family in three different finishes (Erre, Lucida and Kèr) are now available in 0.7 mm thickness with Bloom black core.

Erre finish distinguishes itself for its touch appeal: silky-smooth compact surfaces which soften colours and highlight the harmony of composition. Lucida is a mirror finish surface. A showpiece of the Arpa production, this finish gives a unique sheen to surfaces. Kèr is a matt texture that adds sensuous tactility to its resistance.

A selection of 44 Plain Colours

Thickness (mm)
0.7

Type/Core
Bloom Black Core

Size (mm)
3050x1300, 4200x1300

Finishes
Erre, Lucida, Kèr

New



0782
Rosso Carminio

New



0783
Verde Felce

New



0784
Blu Avio

New



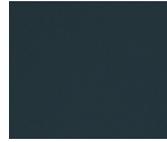
0785
Giallo Canary

New



0795
Viola Ossiro

New



0796
Blu Abash

New



0797
Grigio Aganora

New



0798
Verde Matiki



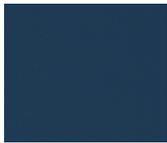
0776
Verde Celadon



0777
Verde Marino



0781
Verde Pino



0780
Blu Berta



0001
Bianco



0028
Bianco Nube



0779
Rosa Shade



0775
Rosso Falun



0275
Rosa Bourbon



0778
Maggese



0010
Bianco Azzurro



0249
Bianco Decò



0739
Grigio Tela



0244
Porcellana



0266
Avorio Cisa



0622
Grigio Viola



0527
Grigio Argento



0211
Grigio Perla



0210
Grigio Medio



0201
Sabbia



0737
Beige Atlantide



0247
Grigio Siliceo



0616
Grigio Alpaca



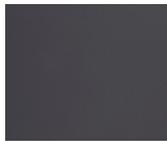
0735
Castoro Fiber



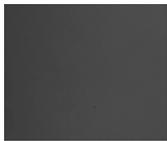
0736
Grigio British



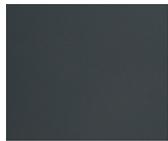
0761
Grigio Rimant



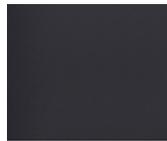
0738
Grigio Traffico



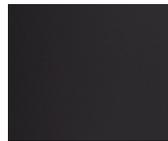
0623
Grigio Ferro



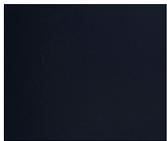
0760
Verde Modo



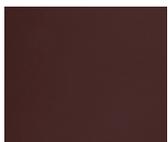
0700
Grigio Vernice



0526
Grigio Antracite



0507
Blu Notte



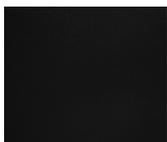
0759
Rosso Purjai



0553
Cioccolato



0758
Cacao Nocorin



0509
Nero

FENIX NTM[®] Bloom

Thickness (mm)
0.7

Type/Core
Bloom Black Core

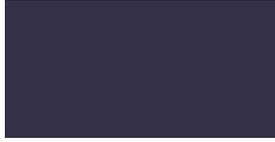
Size (mm)
3050x1300, 4200x1300

New



0789
Rosso Namib

New



0790
Viola Orissa

New



0791
Giallo Evora

New



0792
Blu Shaba

New



0793
Grigio Aragona

New



0794
Verde Kitami



0770
Rosso Askja



0771
Azzurro Naxos



0773
Verde Brac

FENIX NTM[®] is an innovative material created for interior design applications by Arpa Industriale. Launched in 2013, it is suitable for both vertical and horizontal use. The external surface involves the use of multilayer coating and it is characterised by next generation acrylic resins, hardened and fixed with Electron Beam curing process. Its surface is extremely matt, with low light reflectivity, features a very pleasant soft touch and is anti-fingerprint. Thermal healing of superficial micro-scratches is also possible.

FENIX NTM[®] Bloom, more innovative, more natural raw materials. The extremely matt smart material is enriched with Bloom, a new core technology, for which new colours have been specifically developed.



Materialising Sustainability

Arpa Industriale strongly believes in sustainability with a fact-based approach and complete integration in the business plan in which durability and the use of sustainable raw materials are key. The Bloom technology is a perfect example of the Arpa approach, creating value not only focusing on the surface but by going into the core.

Environmental impact reduction*

Thanks to their new technology and the increase of natural raw materials, the new FENIX NTM® Bloom and Arpa® Bloom products have a greater environmental performance.

More natural raw materials

50% of fossil-based phenol is substituted with lignin.

-25%

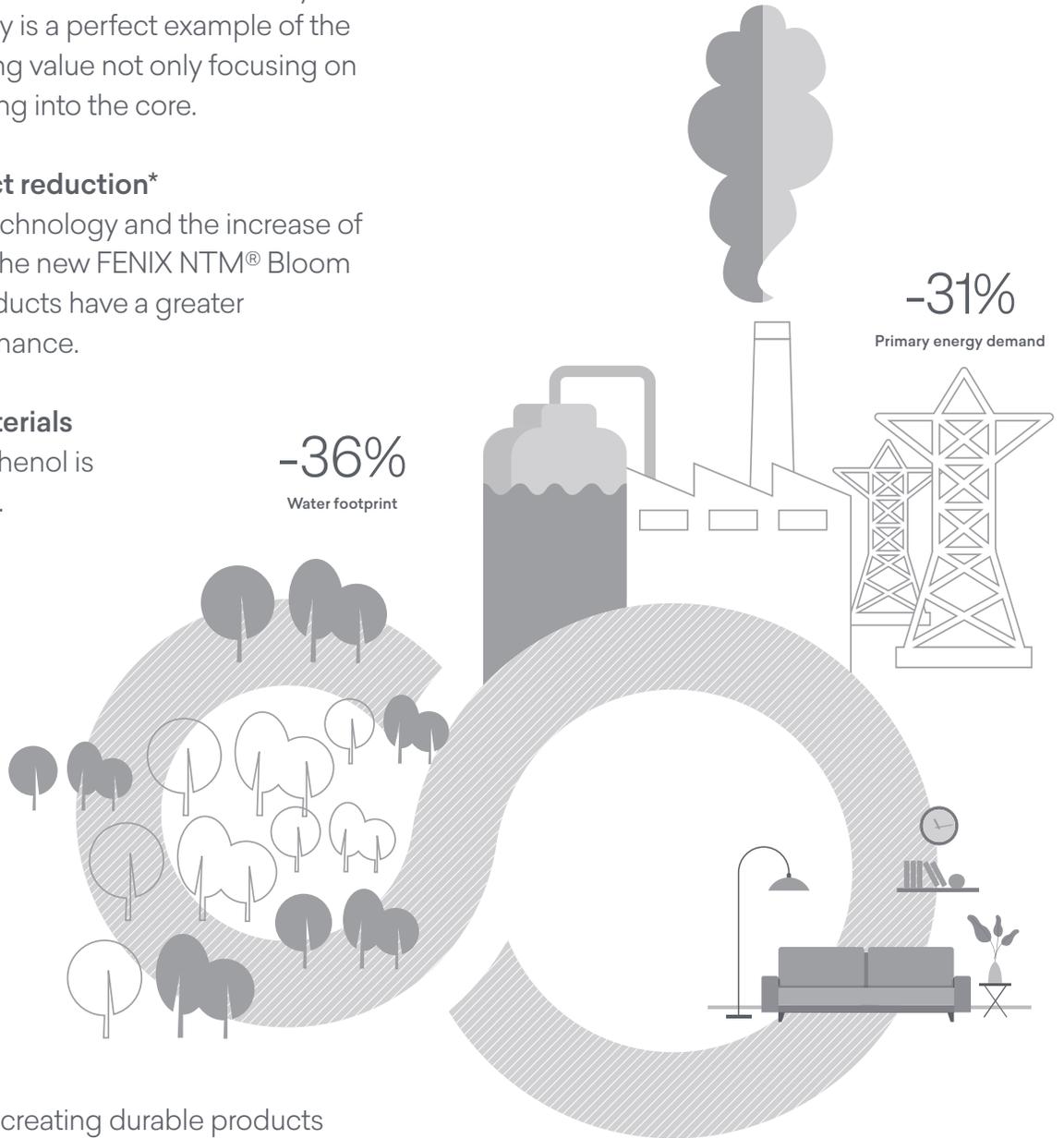
Global warming
(Carbon footprint)

-31%

Primary energy demand

-36%

Water footprint



Long live the design

Sustainability is about creating durable products and materials that stand the test of time. With its innovative technology, Bloom adds value to the design objects made out of it. And this is a key factor for environmental responsibility.

* Source: LCA study performed by Arpa Industriale comparing standard FENIX NTM® and Arpa® with new FENIX NTM® Bloom and Arpa® Bloom.

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