

**FENIX®**



**TRAINING PRESENTATION**

INNOVATIVE MATERIALS FOR  
INTERIORS.  
ITALIAN DESIGN SINCE 2013.  
ADVANCED TECHNOLOGY.

- Definition  
Production process and Features
- Processability
- Colors, Product Range  
Colorimetric Analysis
- Cleaning methods
- Certifications

# FENIX



FENIX DEFINITION

WHAT FENIX IS:  
IT IS NOT A FINISH, IT IS NOT A FILM.  
**IT IS A MATERIAL!**

## WHY ARPA DEVELOPED A NEW RANGE OF MATERIALS

To grasp new trends in interior design:

→ EXTREMELY MATT SURFACES

→ SMART MATERIALS

To challenge:

→ NEW HIGHER-END MARKET  
PRODUCT SEGMENTS

## AN INNOVATIVE PRODUCT RANGE FOR INTERIOR DESIGN DEVELOPED BY ARPA INDUSTRIALE

FENIX products are paper based, super opaque nanotech materials. FENIX products are made of paper (over 60%) and thermosetting resins (30 - 40%). The FENIX products are created by a pressing process in which heat and pressure are applied simultaneously in order to obtain a homogeneous non-porous product. FENIX NTA contains a real metal structure in its décor layer.

FENIX have characteristics by undergoing a particular series of processes, including a **multilayer coating** and the use of **next-generation acrylic resins**, which are hardened and fixed through an **Electron Beam Curing process**. With **low light reflectivity**, their surface is **extremely opaque, soft touch** and **anti-fingerprint**.

FENIX materials are highly resistant to scratches, abrasion, dry heat, acid-based solvents and household reagents. **Thermal healing of superficial micro-scratches** is also possible. FENIX surfaces have a unique non-porous external layer, allowing the material to stay neat with simple, everyday care and cleaning methods. They are also suitable for contact with food.

FENIX products are suitable for both vertical and horizontal use.

## FENIX PRODUCTS ARE ITALIAN DESIGN SINCE 2013.

# FENIX | NAME AND DEFINITION

FENIX recalls the Greek mythological bird: the phoenix or phenix, a long-lived bird that is cyclically regenerated or reborn.

Associated with the sun, a phoenix obtains new life by arising from the ashes of its predecessor. This is a metaphorical reference to the specific characteristics of the material.

**FENIX<sup>NTM</sup>**

## **NTM: NANOTECH *MATT***

This underlines the two main features: a very matt surface and the use of nanotechnology.

**FENIX<sup>NTA</sup>**

## **NTA: NANOTECH *ALLOY***

This underlines the two main features: a deep stainless steel brushed aesthetic and the use of nanotechnology.

# FENIX NTM<sup>®</sup> BLOOM

A multidisciplinary team research started in 2012 and focusing on a new challenging raw material coming from nature, **lignin**, lead to **BLOOM CORE TECHNOLOGY**.

With BLOOM core, lignin technology has been introduced to significantly reduce the amount of phenol included in the resin by 50%.

# FENIX | BLOOM CORE TECHNOLOGY

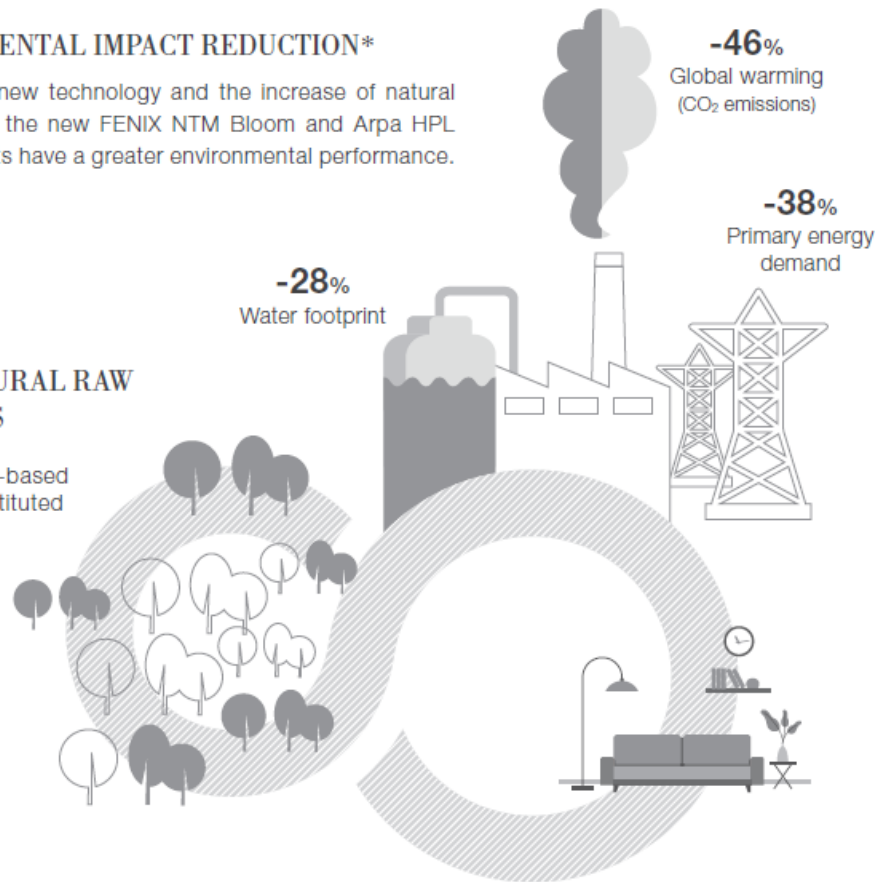
The BLOOM technology allows to maintain the quality and well-known technical features of FENIX NTM, while supporting in realizing sustainability challenges.

## ENVIRONMENTAL IMPACT REDUCTION\*

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

## MORE NATURAL RAW MATERIALS

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



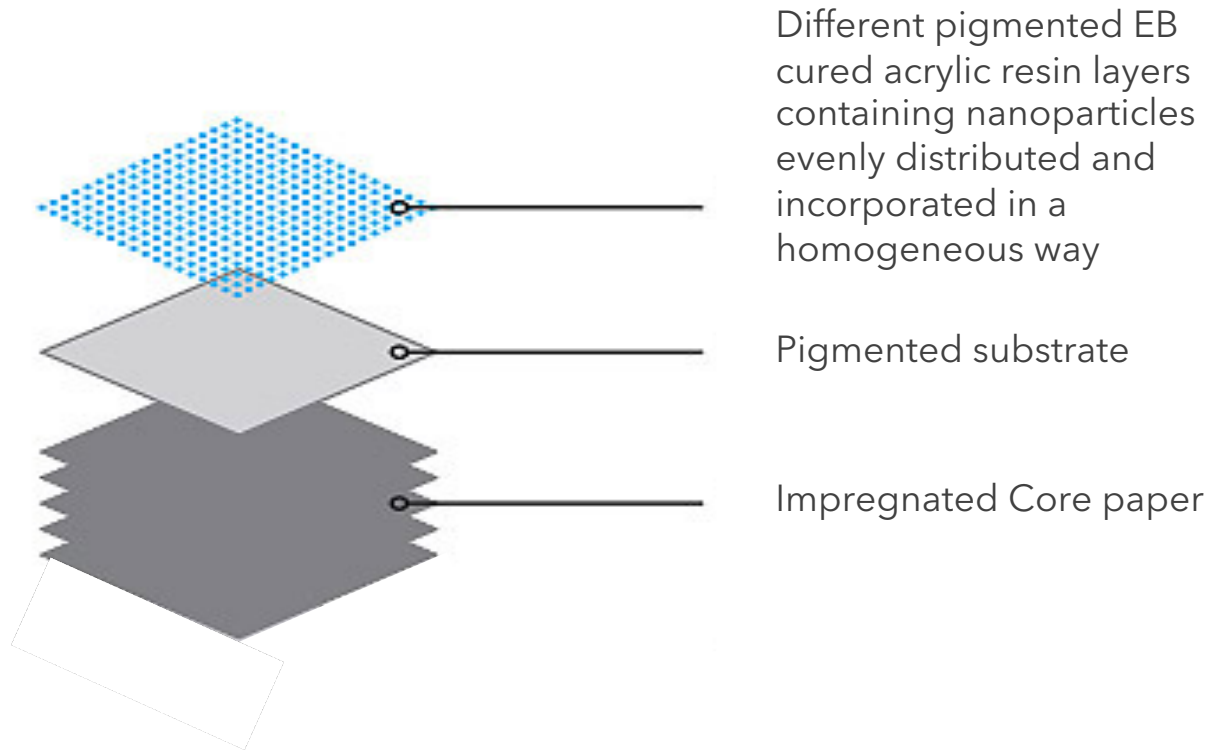
\* LCA study performed by Arpa Industriale

# FENIX

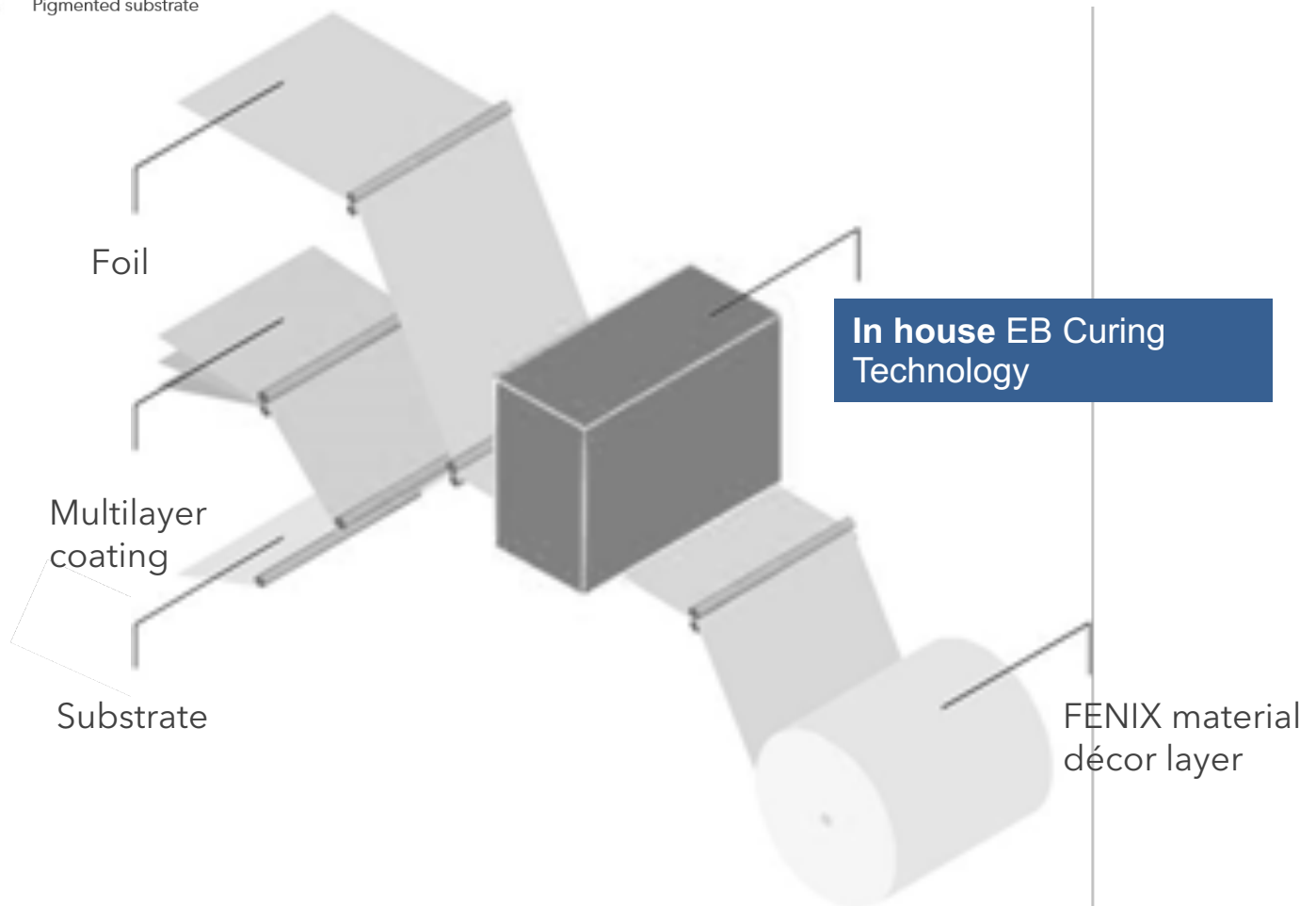
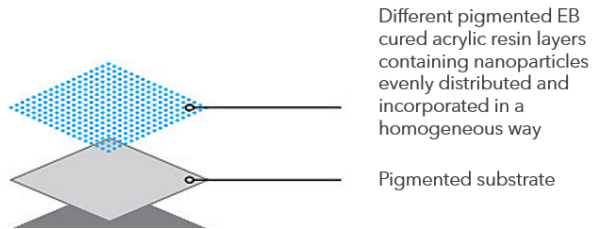


## PRODUCTION PROCESS

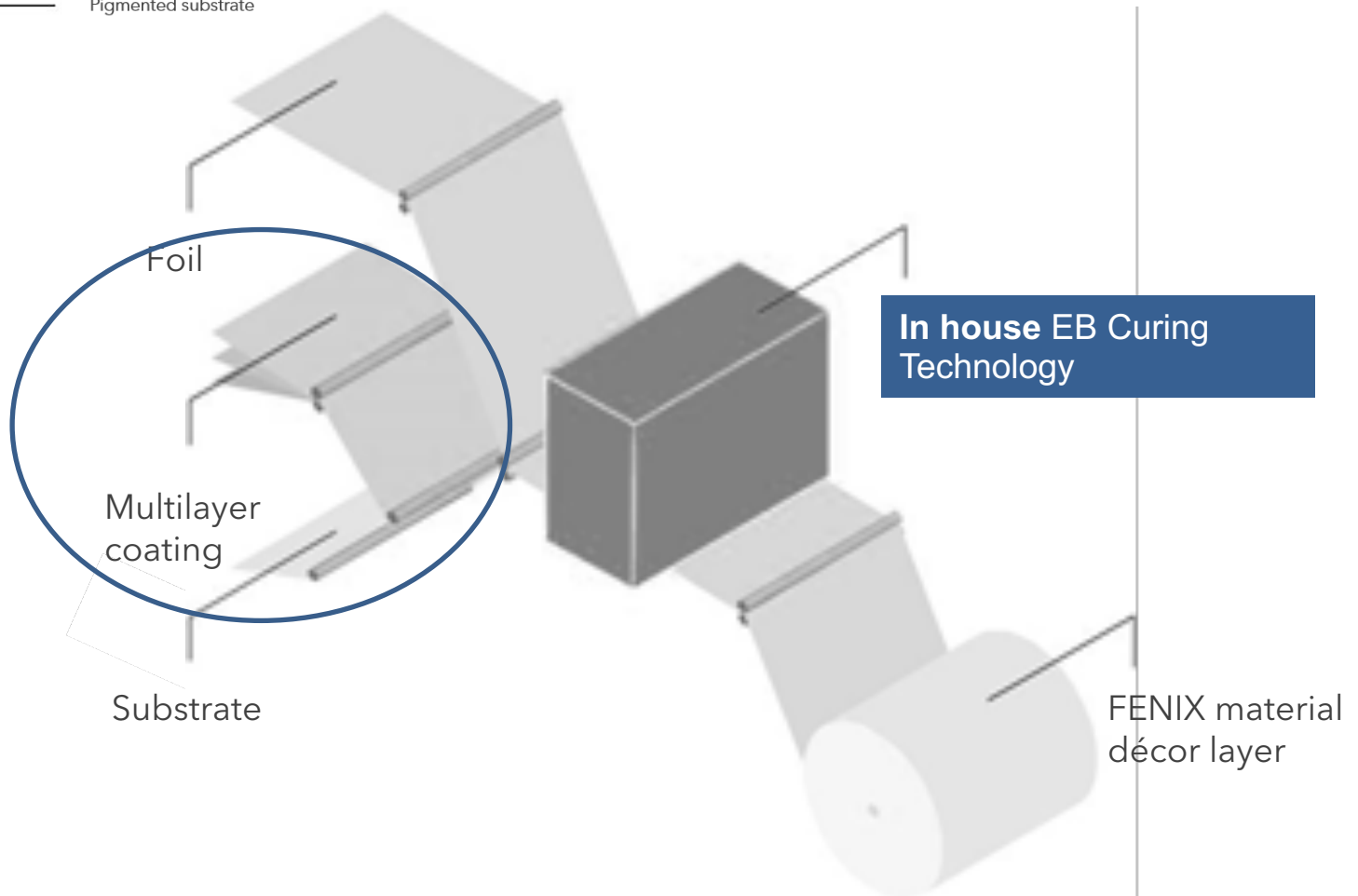
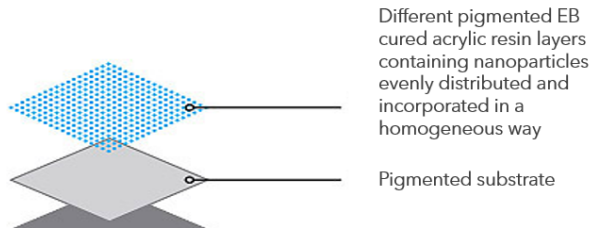
# FENIX | FENIX: BUILD UP OF A THIN SHEET



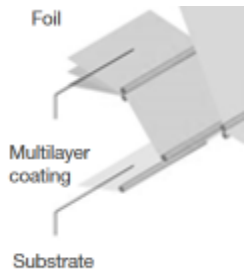
# FENIX | ELECTRON BEAM CURING (EBC)



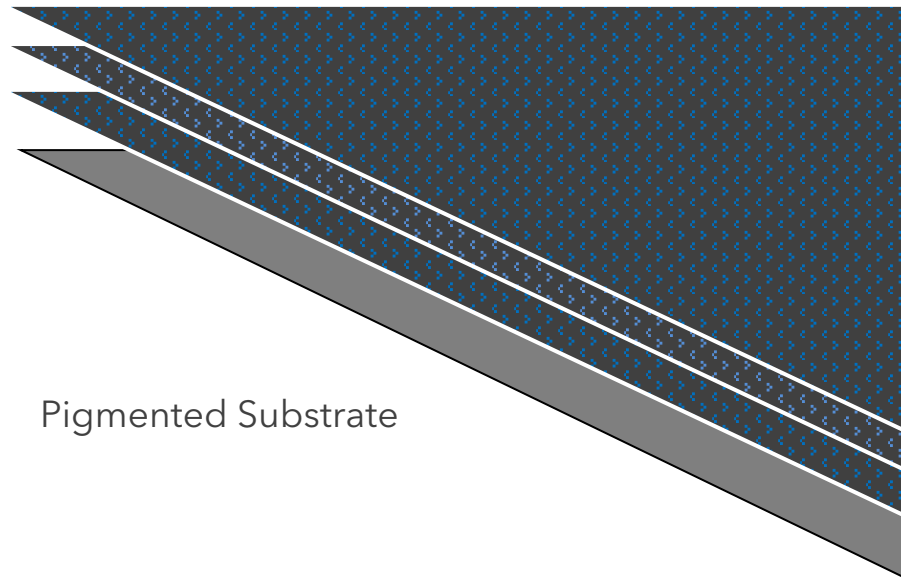
# FENIX | ELECTRON BEAM CURING (EBC)



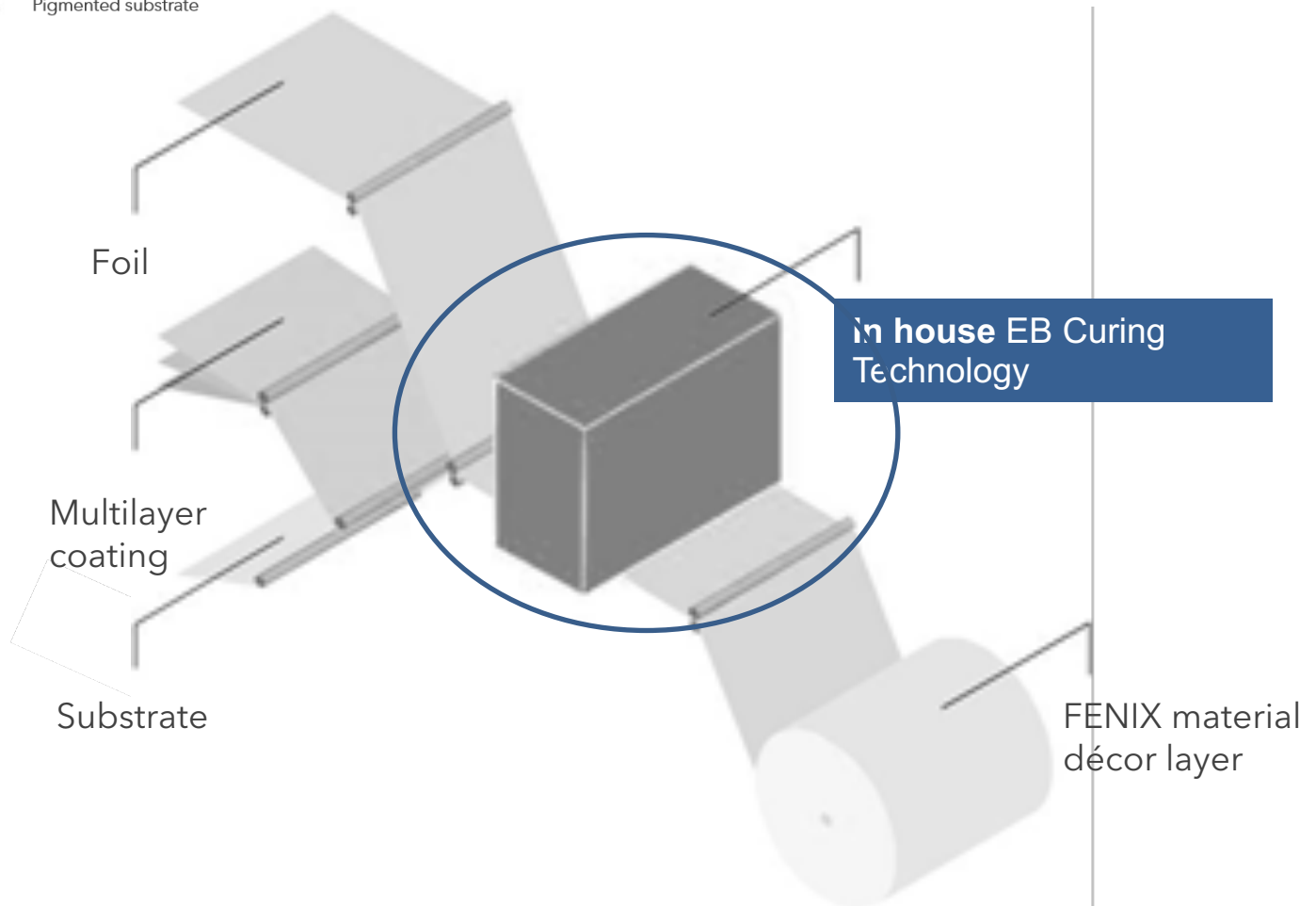
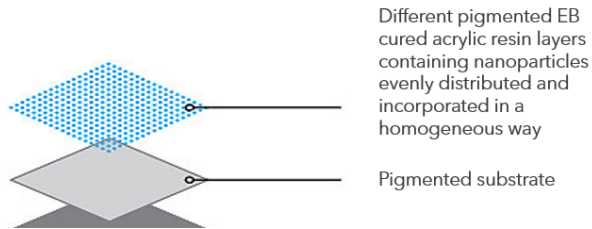
# FENIX | ELECTRON BEAM CURING (EBC)



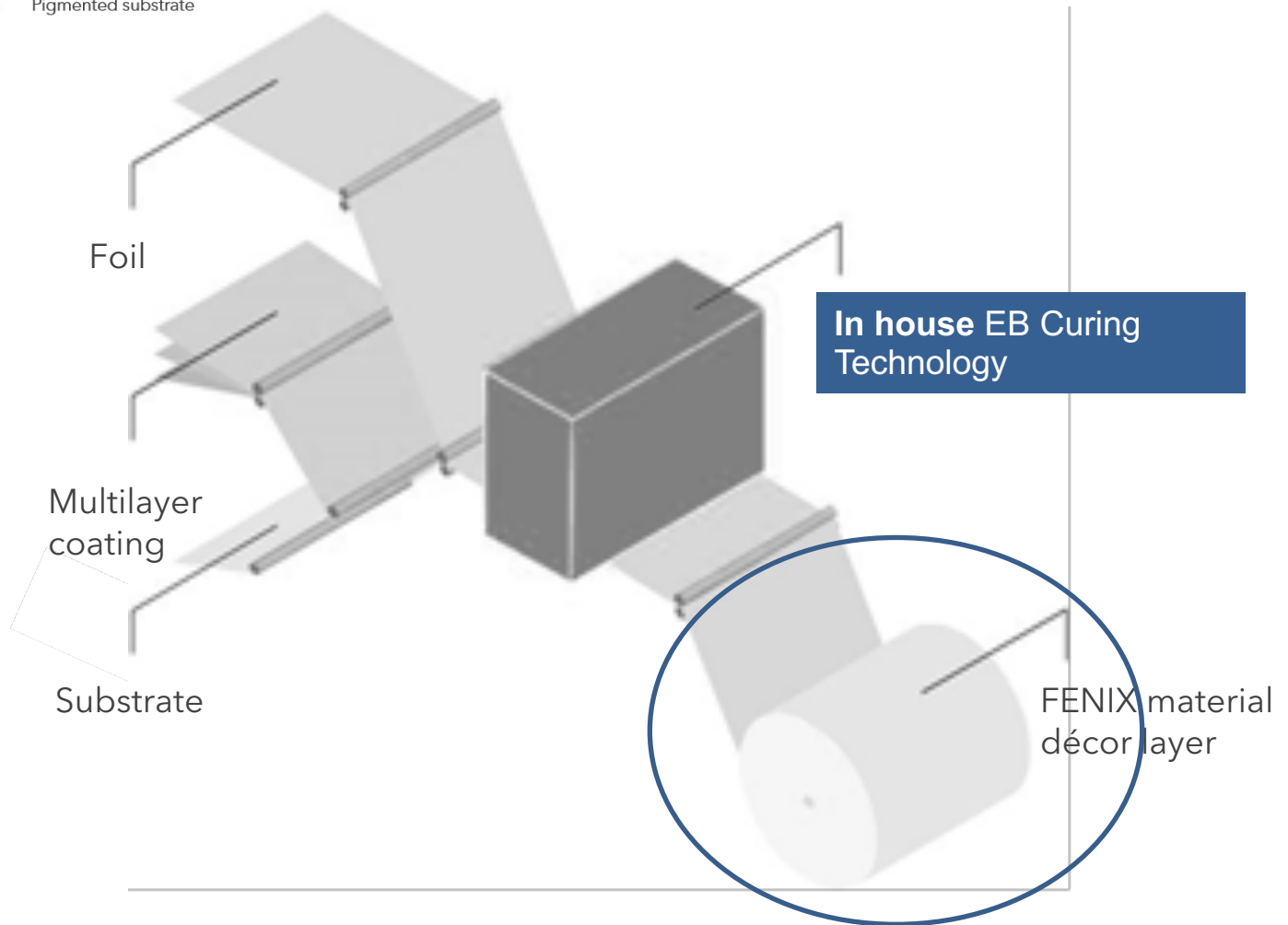
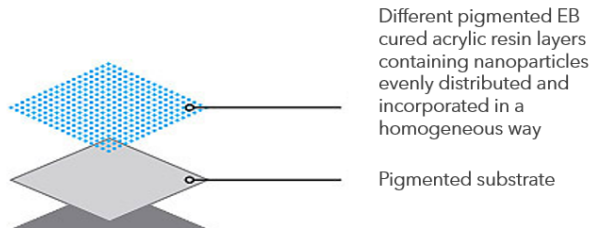
Different pigmented EB cured acrylic resin layers containing nanoparticles evenly distributed and incorporated in a homogeneous way



# FENIX | ELECTRON BEAM CURING (EBC)



# FENIX | ELECTRON BEAM CURING (EBC)

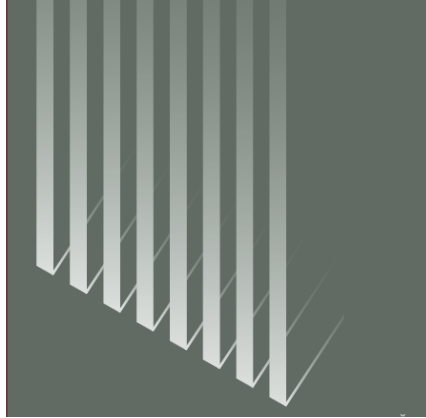


# FENIX



## PRODUCT FEATURES

# FENIX | FENIX MAIN PRODUCT FEATURES



Low light reflectivity, extremely matt surface



Soft Touch

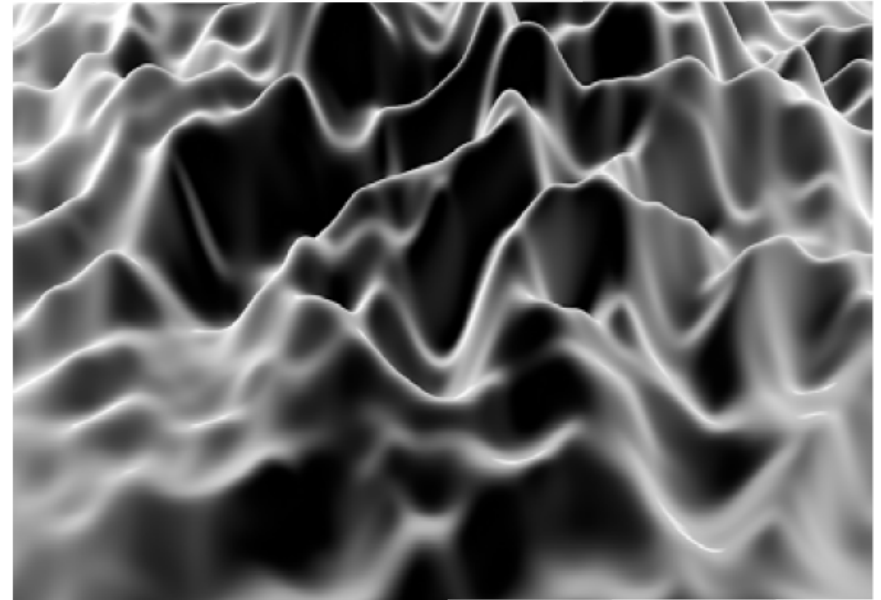
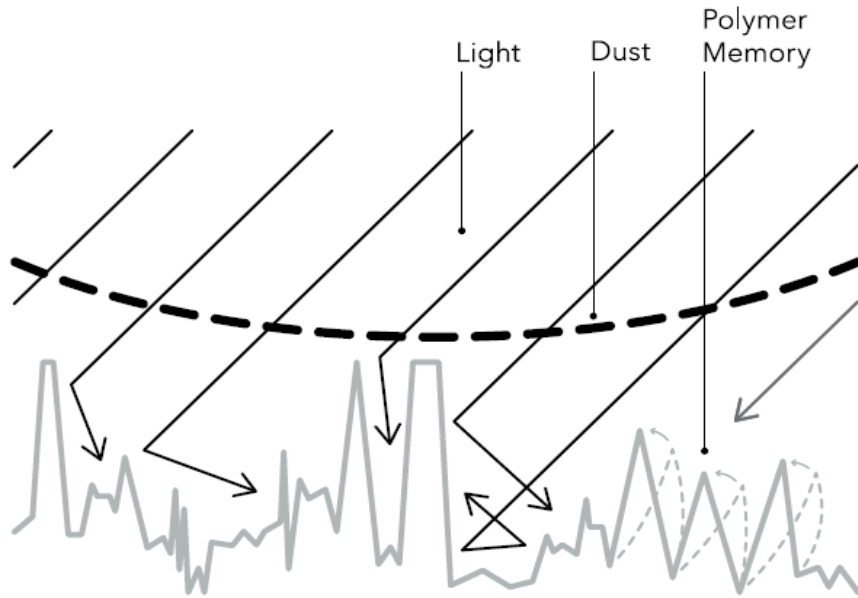


Antifingerprint

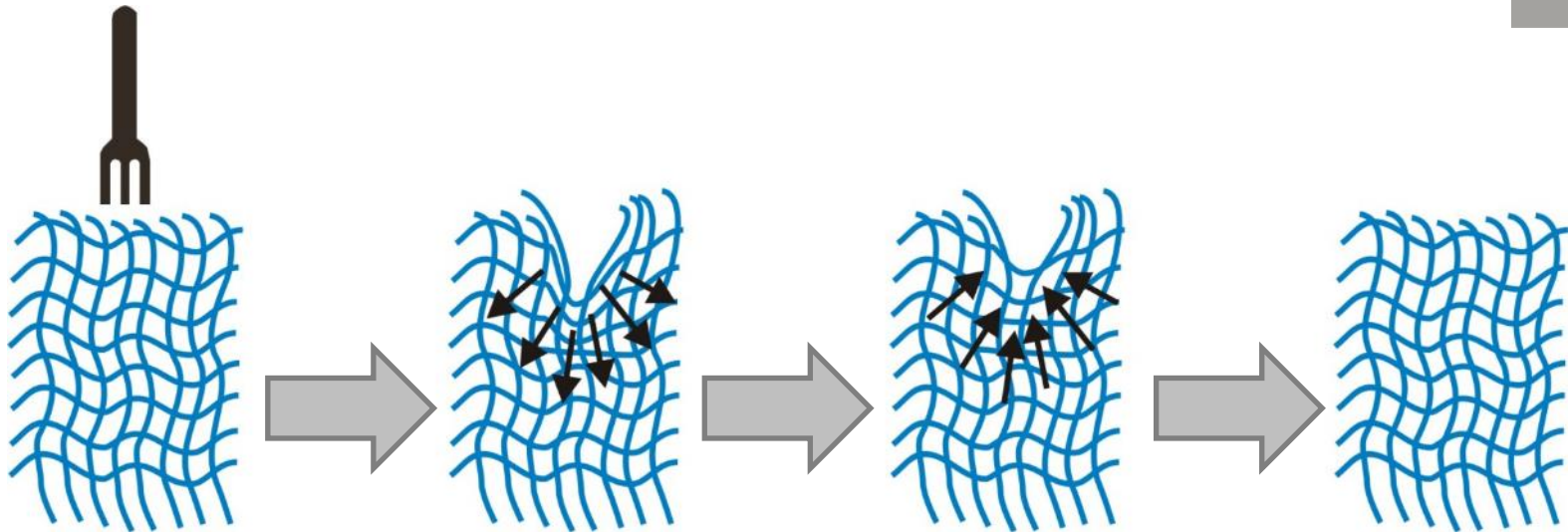


Thermal healing of superficial microscratches

# FENIX | FENIX SURFACE TOPOGRAPHY AND PROFILE



# FENIX | THERMAL HEALING OF SUPERFICIAL MICROSCRATCHES



The cross-linked coating has its own "polymer memory"

Superficial microscratches physically displace the polymer chains. The hydrogen bonds are disconnected and look for new anchors whereas the fixed chemical bonds are unaffected. The polymer network is now in a state of fixed tension.

The relaxation of the polymer network is triggered by heat, which increases the mobility of the polymer chains

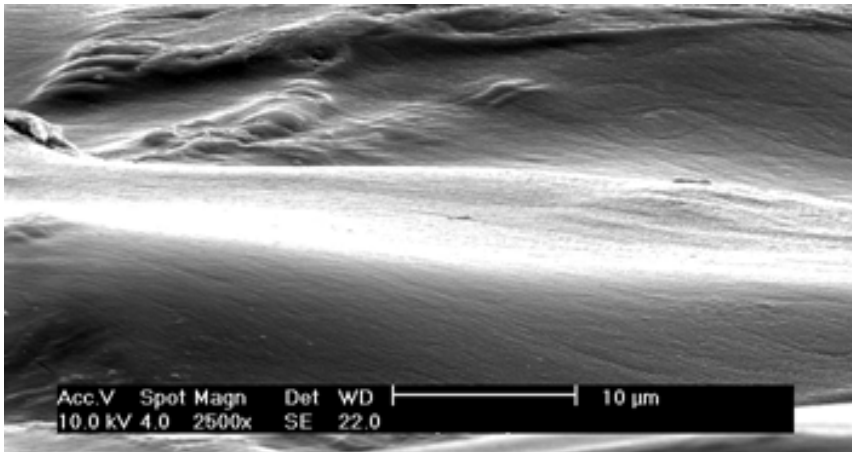
As the polymers relax, the hydrogen bonds reposition themselves in the original formation and the scratch disappears.

Source: ArpaLab

# FENIX | MATERIAL SURFACE COMPARISON WITH HPL



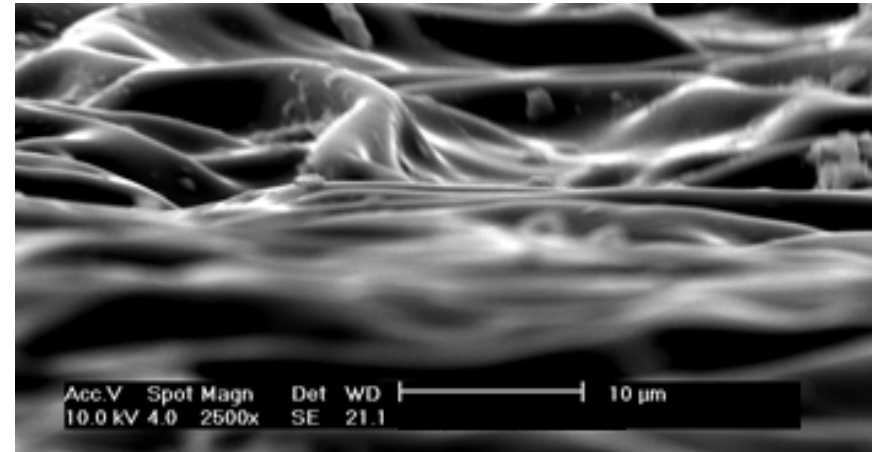
HPL (Melaminic decor)



2500X tilted



FENIX (Acrylic EBC surface)



2500X tilted

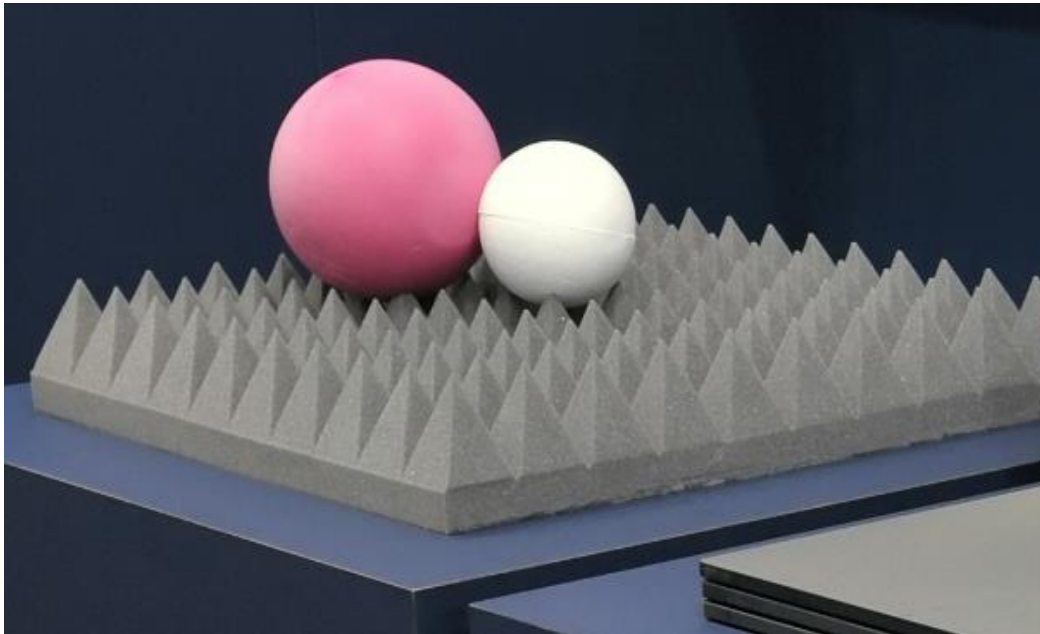
irregular topography → soft touchness



The unique coating formulation and application of FENIX, including high performance acrylic resins and nanoparticles on the surface, creates a barrier effect.

# FENIX | SURFACE AND CLEANABILITY

Thanks to the high technology manufacturing process, nanoparticles are **evenly distributed and incorporated in a homogeneous way** into the coating of the surface designed specifically for FENIX. After hardening, the nanoparticles are **fully integrated and fixed inside** FENIX coating structure.



In the picture, FENIX topography has been simulated using an indented foam structure; the colored balls represent the dirt particles that usually could be both on the surface and in some cases located into the trough.


FENIX specific surface topography ensures the dirt **stands on the «peaks» of the surface not laying within the «valleys» structure**: it is enough an everyday care to clean common contamination typical in a household.

In case of stubborn stain (ex.limescale), **a deep cleaning with a specific cleaning agent is needed**: this will allow to remove the dirtiness accumulated in the trough.

# FENIX | CLEANING METHODS - SOLVENT

The purpose of the chemical spot test is to evaluate the resistance of the external surface vs chemical spills.

SEFA tests are online : [fenixforinteriors.com/en/download](http://fenixforinteriors.com/en/download)

CHEMICAL RESISTANCE TESTING – 8.1			 Scientific Equipment & Furniture Association
SEFA 8-PL 2010			
Date of Test: 3-26-2013		Sample Description: ARPA FENIX NTM 0.9 mm.- Black /Nero	
Rating Scale: Level 0 - No Detectable Change Level 1 - Slight Change in Color or Gloss Level 2 – Slight Surface Etching or Severe Staining Level 3- Pitting, Cratering, Swelling, Erosion of Coating, Obvious & Significant Deterioration.			
#	Chemical	Rating	Comments
1	Amyl Acetate	0	
2	Ethyl Acetate	1	Slight change in color (white ring)
3	Acetic Acid 98%	1	Slight change in color (white ring)
4	Acetone	1	Slight change in color (white ring)
5	Acid Dichromate 5%	0	
6	Butyl Alcohol	1	Slight change in color (white ring)
7	Ethyl Alcohol	1	Slight change in color (white ring)
8	Methyl Alcohol	1	Slight change in color (white ring)
9	Ammonium Hydroxide 28%	0	
10	Benzene	1	Slight change in color (white ring)
11	Carbon Tetrachloride	1	Slight change in color (white ring)
12	Chloroform	1	Slight change in color (white ring)

Ex of SEFA test performed on FENIX black

# FENIX



APPLICATION AND PROCESSABILITY

# FENIX | APPLICATIONS

FENIX NTM and FENIX NTA are materials used for various applications (**both horizontal and vertical**) which are typical of interior design:

RESIDENTIAL  
FURNITURE

RETAIL  
HEALTHCARE  
HOSPITALITY  
EDUCATION  
OFFICE

TRANSPORTATION

INDUSTRIAL DESIGN

Their range of classical colors and their special features: high resistance to scratches and impact, the ease of cleanliness and the excellent color intensity and brushing effect are inspiring **new furniture and original interior design solutions.**

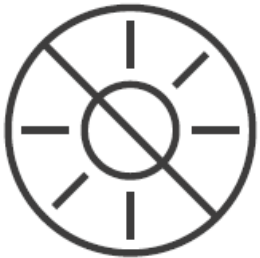
# FENIX | STORAGE: FILM

The sheets must be stored in a proper environment.

The protective film is designed to temporary protect the surface from dust, scratches and marks left by handling equipment; it does not protect from corrosion, dampness or chemical agents.

Sheets covered with protective film should be stored in a clean dry atmosphere at room temperature (ideally 20°C), avoiding exposure to atmospheric agents and UVA rays.

The protective film should be removed from the sheets surface after application and before the final item. In case of thick sheets with protective film on both sides, the film should always be removed from both sides at the same time. In any case, the removal should take place within 6 months from the date of shipping by the Manufacturer.



**The protective film used is photosensitive; therefore storing sheets under direct sun light is to be avoided.**



**The product has a slight directionality, which is only visible under some light conditions. Direction is indicated on product packaging for extra precaution.**

Details for processing, handling and storing are online: [fenixforinteriors.com /en/download](https://fenixforinteriors.com/en/download)

# FENIX | PROCESSABILITY OF FENIX

FENIX **can be easily machined with standard carpenter tools.**

FENIX NTM and FENIX NTA are processable as per the guidelines given for any laminate including the cold forming and the composite panels production for both **Thin** and **Solid** alternatives.

FENIX NTM should preferably be cut with saws using blades with tungsten carbide inserts or diamond ones in case of FENIX NTA.

Tools and applications parameters do not need to be adjusted for processing FENIX NTA (as for the case of laminates with steel foil).

Details for processing, handling and storing are online: [fenixforinteriors.com /en/download](https://fenixforinteriors.com/en/download)

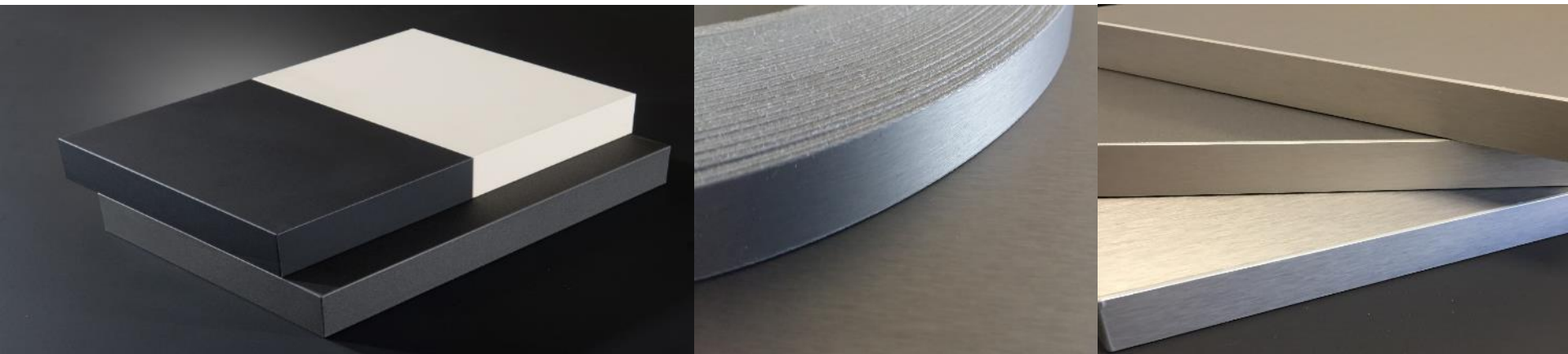
# FENIX | EDGING

FENIX sheets, in the Thin version, can be edge-banded using the same color with 1.2 mm thickness (matched color core) or using ABS or PP edge-banding strip developed in partnership with manufacturers of edge-banding material (e.g. Ostermann, Rehau and Döllken, BVR, etc).

For FENIX NTM, a polyurethane glue should be used for edge-banding 1.2 mm thick FENIX NTM sheets. ABS or polymer edge-banding strips can be glued using hot-melt glues, with new laser systems or with air systems.

For FENIX NTA, it is recommended to use ABS edge-banding directly on FENIX NTA sheet in 1 mm thickness and exclusively hot melt glue.

FENIX NTM and FENIX NTA edge banding examples are available for download from our website [fenixforinteriors.com/en/download](https://fenixforinteriors.com/en/download)



# FENIX | SHEET BALANCING

For correct sheet balancing, the same type of FENIX sheet should be used on both sides (same thickness).

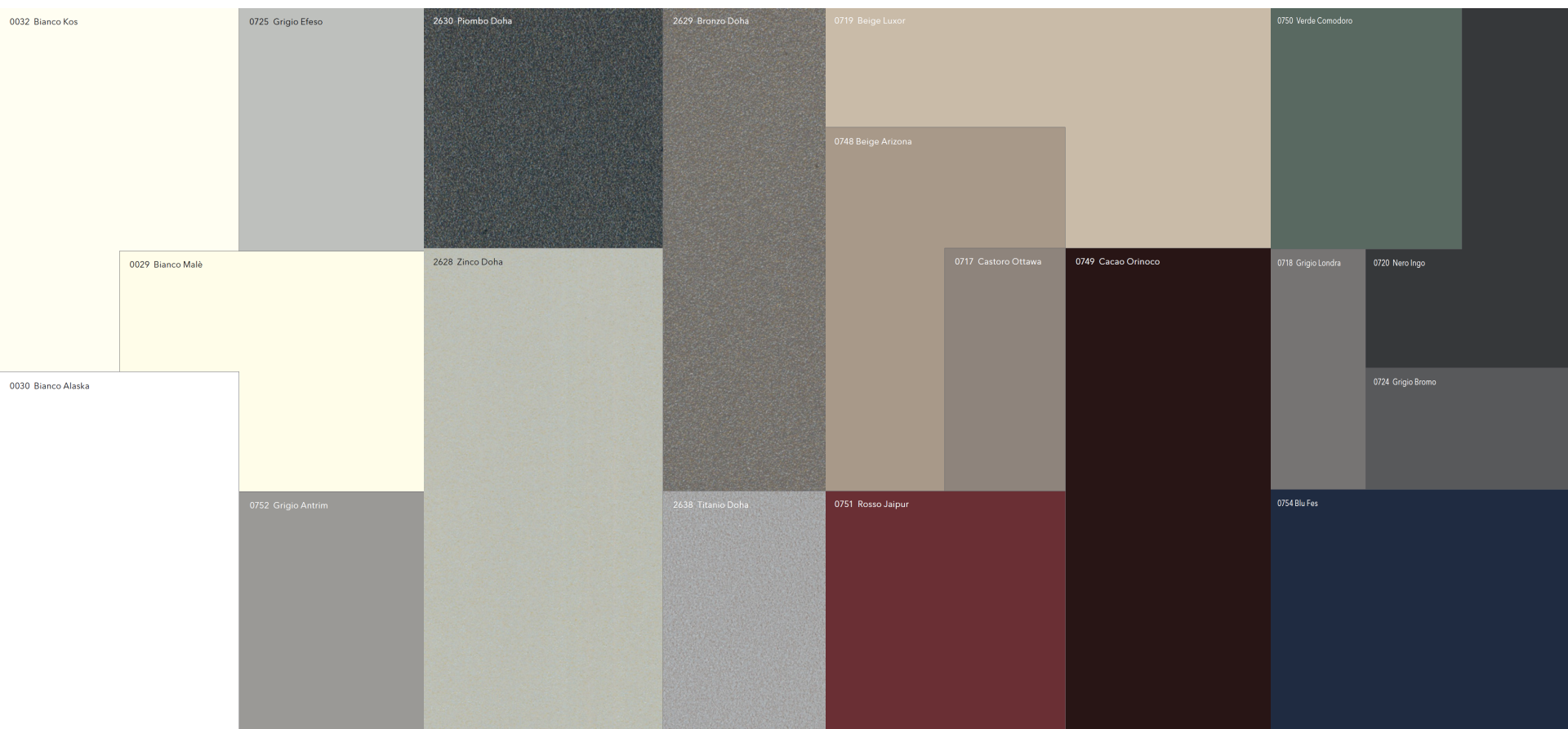
To avoid subsequent distortion in the resulting sheet, it is therefore desirable to use materials with identical properties on both sides, subject to the same dimensional changes in relation to environmental variations.

# FENIX



COLORS  
PRODUCT RANGE

# FENIX | COLORS. A STYLISTIC CHOICE.



# FENIX | COLOR RANGE

The color range is a stylistic choice.

For FENIX NTM four tones of white, a solid black and a silent color palette to show the range.

For FENIX NTM BLOOM four fresh colors inspired by nature and for FENIX NTA, three colors that enhance the metal brushing.

## FENIX<sup>NTM®</sup>



0029 BIANCO MIELE



0002 BIANCO ROS



0737 BRIDGE LONDON



0718 BRIDGE LIGHTS&



0705 BRIDGE ESPERO



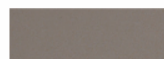
0749 BRIDGE CHINOTTO



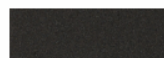
0761 BRIDGE JAPUR



0784 BLU YES



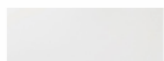
0428 BLUNO DOLLA



0400 BLUNO DOLLA



0080 BIANCO ALASKA



0787 BIANCO DOVER



0727 CASTORO OTTAWA



0734 BRIDGE S&DOLLO



0748 BRIDGE ARIZONA



0780 VERDE COMMODORO



0782 GRIGIO ANTHEM



0780 NERO INDO



0409 BLUNO DOLLA



0409 BLUNO DOLLA

## FENIX<sup>NTM®</sup> BLOOM



0770 ROSSO ALASKA



0775 BLUNO DOLLA



0771 AZZURRO NAVIG

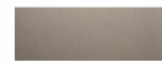


0772 VERDE S&C

## FENIX<sup>NTA®</sup>



8002 ACCIAIO I ANTHEM



8005 ORO COTTEE



8001 ARGENTO CUKAT

# FENIX | COLORS AVAILABILITY

## FENIX<sup>NTM</sup>

Code	Name
0029	Bianco Malè
0030	Bianco Alaska
0032	Bianco Kos
0717	Castoro Ottawa
0718	Grigio Londra
0719	Beige Luxor
0720	Nero Ingo
0724	Grigio Bromo
0725	Grigio Efeso
0748	Beige Arizona

0749	Cacao Orinoco
0750	Verde Comodoro
0751	Rosso Jaipur
0752	Grigio Antrim
0754	Blu Fes
0757	Bianco Dover
2628	Zinco Doha
2629	Bronzo Doha
2630	Piombo Doha
2638	Titanio Doha

## FENIX<sup>NTM</sup> BLOOM

Code	Name	
0770	Rosso Askja	<b>NEW</b>
0771	Azzurro Naxos	<b>NEW</b>
0772	Giallo Kashmir	<b>NEW</b>
0773	Verde Brac	<b>NEW</b>

## FENIX<sup>NTA</sup>

Code	Name
5000	Acciaio Hamilton
5001	Argento Dukat
5003	Oro Cortez

# FENIX | PRODUCT DELIVERY PROGRAM

## FENIX<sup>NTM</sup>

Code	Name	0.8 mm Standard core Núcleo estándar	0.9 mm Standard core* Núcleo estándar*	1.2 mm Colored core Núcleo con color coordinado	12.0 mm Colored core** Núcleo con color coordinado**
Código	Nombre				
Code	Nom	Centre standard	Centre standard*	Centre coloré	Centre coloré**
J0029	Bianco Malè	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm 4200mm x 1600mm*
J0030	Bianco Alaska	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm 4200mm x 1600mm*
J0032	Bianco Kos	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm	3050mm x 1300mm 4200mm x 1600mm
J0717	Castoro Ottawa	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*
J0718	Grigio Londra	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm 4200mm x 1600mm*
J0719	Beige Luxor	-	3050mm x 1300mm* 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*
J0720	Nero Ingo	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm	3050mm x 1300mm 4200mm x 1600mm
J0724	Grigio Bromo	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm 4200mm x 1600mm*
J0725	Grigio Efeso	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm	3050mm x 1300mm 4200mm x 1600mm
J0748	Beige Arizona	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*
J0749	Cacao Orinoco	-	3050mm x 1300mm* 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*
J0750	Verde Comodoro	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*
J0751	Rosso Jaipur	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm 4200mm x 1600mm*
J0752	Grigio Antrim	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*
J0754	Blu Fes	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*
J0757	Bianco Dover	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm 4200mm x 1600mm*
J2628	Zinco Doha	-	3050mm x 1300mm* 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*
J2629	Bronzo Doha	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*
J2630	Piombo Doha	4'x8'; 5'x12'	-	3050mm x 1300mm 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*
J2638	Titanio Doha	-	3050mm x 1300mm* 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*	3050mm x 1300mm* 4200mm x 1600mm*

\* Made-to-order product. Subject to 16+ week lead time.

\* Producto bajo pedido. Sujeto a tiempos de entrega de 16 o más semanas.

\* Produit disponible sur commande. Sujet à des délais de livraison de 16+ semaines.

\*\* 4, 6, 8 and 10mm are also available as made-to-order products.

\*\* 4, 6, 8 y 10mm también están disponibles bajo pedido.

\*\* Les produits en 4, 6, 8 et 10 mm sont disponibles aussi sur commande.

# FENIX | PRODUCT DELIVERY PROGRAM

**FENIX** NTM®  
BLOOM

Code	Name	0.7 mm Standard core*
Código	Nombre	Núcleo estándar*
Code	Nom	Centre standard*
J0770	Rosso Askja	3050mm x 1300mm* 4200mm x 1300mm*
J0771	Azzurro Naxos	3050mm x 1300mm* 4200mm x 1300mm*
J0772	Giallo Kashmir	3050mm x 1300mm* 4200mm x 1300mm*
J0773	Verde Bric	3050mm x 1300mm* 4200mm x 1300mm*

\* Made-to-order product. Subject to 16+ week lead time.

\* Producto bajo pedido. Sujeto a tiempos de entrega de 16 o más semanas.

\* Produit disponible sur commande. Sujet à des délais de livraison de 16+ semaines.

# FENIX | PRODUCT DELIVERY PROGRAM

**FENIX** NTA®

Code	Name	0.7 mm Standard core Núcleo estándar Centre standard	1.2 mm Colored core Núcleo con color coordinado Centre coloré	4 - 6 - 8 - 10 - 12 mm Colored core* Núcleo con color coordinado* Centre coloré*
Código	Nombre			
Code	Nom			
J5000	Acciaio Hamilton	3050mm x 1300mm* 4200mm x 1300mm*	3050mm x 1300mm* 4200mm x 1300mm*	3050mm x 1300mm* 4200mm x 1300mm*
J5001	Argento Dukat	3050mm x 1300mm* 4200mm x 1300mm*	3050mm x 1300mm* 4200mm x 1300mm*	3050mm x 1300mm* 4200mm x 1300mm*
J5003	Oro Cortez	3050mm x 1300mm* 4200mm x 1300mm*	3050mm x 1300mm* 4200mm x 1300mm*	3050mm x 1300mm* 4200mm x 1300mm*

\* Made-to-order product. Subject to 16+ week lead time.

\* Producto bajo pedido. Sujeto a tiempos de entrega de 16 o más semanas.

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# FENIX



## COLORIMETRIC ANALYSIS

# FENIX | COLORIMETRIC ANALYSIS

Using different light sources, reflecting light varies for any color. Each light source has a different spectrum in the visible light area. Hence, a color could reflect different wavelengths of the light depending on the light source used.

## 0030 Bianco Alaska - Summary and Synoptic Tables

The colorimetric measurements on the sample of FENIX NTM® 0030 Bianco Alaska highlight a small attenuation of the reflectance in the yellow-orange region. This attenuation increments the correlated colour temperature (toward cold colours) of the reflected radiations. Increasing the incidence angle of the lighting radiation or the viewing angle, the correlated colour temperature drifts toward lower values (warm colours) because the spectral red component increases. This chromaticity variability is generally not perceptible from different viewing angles.

Using different light sources, the reflecting light varies for any colour. Each light source has a different spectrum in the visible light area. Hence, a colour could reflect different wavelengths of the light depending on the light source used. Considering the analysed lighting sources, the amplitude of chromatic variability due to view conditions depends on the lighting source choice. An adequate choice of the lighting source contributes to reduce the chromaticity variability due to view conditions.

Light source	Light source description	CCT (Colour temperature)	Colour drift remarks compared to D65	Colour shift for different angles (25 to 110 degree)
D65	Standard daylight	6504K	---	No shift
F11	Tube Light TL-84	4000K	Can slightly turn red	---
F2	Cool white fluorescent (Office Light)	4230K	Can turn cooler (bluer)	---
A	Incandescent / tungsten lamps	2856K	Can slightly turn red	---
UL30	Warm white fluorescent	3000K	Can slightly turn red	---

Ex of Radiometric and Colorimetric Characterisation on FENIX NTM 0030 Bianco Alaska

# FENIX



## CLEANING METHODS

# FENIX | EVERYDAY MAINTENANCE and COMMON STAINS

As with any other material for interior design, a FENIX surface **should be cleaned regularly**. It **does not require any special maintenance**, just a damp cloth with warm water or a mild detergent . Almost all regular household cleaning products or disinfectants can be safely used.

For the most common stains is sufficient to clean the surface with warm water using **non-abrasive cloth**. Tougher stains can be removed with non-abrasive household cleaners or solvents.

For older, dried or caked-on stains, use a **magic sponge or soft brushed cloth** to remove them. After using any solvents, we recommend rinsing the surface with warm water and a detergent. **Always rinse** thoroughly to remove the detergent with clean water, preferably warm.

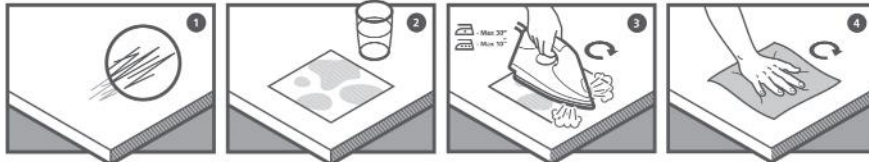


[FENIX CLEANING video –  
DO NOT WORRY BE FENIX](#)

# FENIX | STUBBORN STAINS and MINOR SCRATCHES

FENIX surfaces have a unique non-porous external layer, allowing you to keep it neat with simple, everyday care and cleaning methods. In case of stubborn stains, we recommend the use of a **specific cleaning agent** to remove any trace of the stain. After cleaning or after using the magic sponge, rinse thoroughly with clean water, preferably warm, to remove any detergent, solvent or any other cleaning agent residual. In case of superficial micro-scratches, please refer to the **MAINTENANCE INSTRUCTIONS**.

## MAINTENANCE INSTRUCTIONS IRON

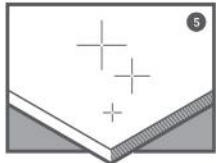


1. Superficial defects caused by micro-scratches.

2. Place a dampened sheet of kitchen roll over the area where the micro-scratches can be seen.

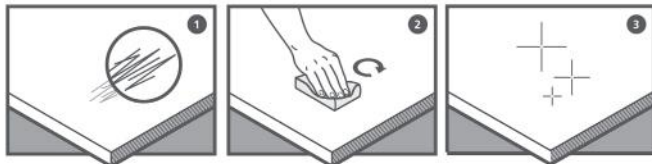
3. Place the hot iron on the surface that needs repairing. Do not leave the iron on the surface for more than 10 seconds at a time.

4. Rinse the repaired area with lukewarm water and a microfibre cloth.



5. The surface should now be healed.

## MAINTENANCE INSTRUCTIONS MAGIC SPONGE



1. Superficial defects caused by micro-scratches.

2. Rub the magic sponge on the area where the micro-scratches can be seen. The sponge can be used dry or slightly damp.

3. The surface should now be healed.

[FENIX MAINTENANCE - GENERAL](#)

[MICROSCRATCHES - THERMAL HEALING](#)

[MICROSCRATCHES - MAGIC SPONGE](#)

# FENIX | USEFUL RECCOMENDATIONS

For the best results when cleaning FENIX, it is important to remember the following advice:

- although very resistant, a FENIX surface must **still never be treated with products containing abrasive substances, macroabrasive sponges** or unsuitable materials such as sandpaper or steel wool;
- strongly acidic or alkaline products should be avoided because they can stain the surface;
- Sodium hypochlorite (bleach) should be used at concentrations lower than 9%; and no more than 5 minutes at a time. Follow disinfecting with a warm water wash using a soft cloth and then dry the surface.
- hydrogen peroxide can be used at concentrations lower than 3%; and for no more than 10 minutes at a time. Follow disinfecting with a warm water wash using a soft cloth and then dry surface.
- when using solvents, the cloth used **must be perfectly clean** so as not to leave marks on the FENIX surface. Any marks may, however, be removed by **rinsing with hot water and drying well**;
- do not use **furniture polishes** or wax-based cleaners in general, because they tend to form a sticky layer on the FENIX surface that attracts and traps dirt;
- do not use **metal scrapers, iron brushes** or any other **metal tool** to remove stains, paint, plaster or other substances from the surface.

# FENIX | CLEANING METHODS - SPECIFIC

Cleaning methods are online: [fenixforinteriors.com/en/download](http://fenixforinteriors.com/en/download)

CATEGORY	TYPE OF STAIN	AGE		
		LIGHT	MODERATE AND RECENT	STUBBORN
EVERYDAY DIRT	Dust, dirt in general, mixed dust and grease	1	2	2
	Fingerprints, nicotine stains, rubber marks	3	4*	4*
	Traces and marks of limescale, rust	2	5	5
	Black smoke	2	2	2
FOODS & DRINKS	Syrup, fruit or vegetable juice	1 or 2	2	2
	Sugar syrup, jam, caramel	1 or 2	2	2
	Spirits, milk, tea, coffee, wine, beer	1 or 2	2	2
	Animal and vegetable fats and oils	3	4*	4*
	Sauces, eggs	3	4*	4*
	Gelatin, organic residues, gum arabic	2	2	2
CLEANERS & POLISHES	Detergents, soap	1 or 2	2	2
	Furniture and floor polish	3	3	4**
	Shoe polish	3	3	4**
PAINTS & INKS	Pencil marks and chalk	1	2	2
	Pen ink and markers			
	Synthetic oil paints			
	Watercolour paints and adhesive solvents			
COSMETICS	Lipstick			
	Hairspray, foundation			
	Nail polish			
SOLVENTS	Halos, often as a solvent			
	Solvent inks for			
WAX	Candle wax, plaster-based wax			

**CLEANING INSTRUCTIONS - KEY**

1. Use a soft cloth or paper towel, either dry or dampened with water.
2. Use warm water (up to 35-40°C) with soap or a mild household detergent, leaving it to work until the dirt starts to loosen.
3. Initially use a dry soft cloth or paper towel. Then use warm water (up to 35-40°C) with soap or a mild household detergent, leaving it to work until the dirt starts to loosen.
- 4.\* Use a dedicated solvent\*, then use warm water (up to 35-40°C) with soap or a mild household detergent, leaving it to work until the dirt starts to loosen.
- 4.\*\* Use a dedicated solvent\*\*, then use warm water (up to 35-40°C) with soap or a mild household detergent, leaving it to work until the dirt starts to loosen.
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5. Use detergents containing acetic acid or citric acid at up to 10% concentration. Rinse with plenty of warm water.
6. If you use descaling agents for domestic use, rinse immediately.
6. Immediately wipe away any residue with water or suitable solvents before the stain sets. Check the product instructions or contact the manufacturer for more details.
- For silicone, use suitable solvents.
7. After it hardens, try removing it rubbing with dry towels and, using wooden or soft plastic (e.g. Nylon) spatulas to scrape it off without causing abrasions or scratches.
8. After using warm water (up to 35-40°C) with soap or a mild household detergent, leaving it to work until the dirt starts to loosen, wash with disinfectant detergents or simply disinfectants that are on the market or prescribed by health practices. Follow the instructions. Steam can also be used for this type of dirt.
9. Immediately use a dry soft cloth or paper towel.
10. Use trichloroethylene or nitro solvent, then use warm water (up to 35-40°C) with soap or a mild household detergent, leaving it to work until the dirt starts to loosen.
11. After it hardens, try removing it with dry towels and with a physical approach, using wooden or soft plastic (e.g. Nylon) spatulas to scrape it off without causing abrasions or scratches. In the case of wax, place a paper towel over the affected area, heat with an iron, then peel away until completely removed.
12. Use alcohol on metal surfaces. For other surfaces, use acetone or, if the stain is especially stubborn, commercial solvents specifically used for removing graffiti \*\*\*\*.

Then use warm water (up to 35-40°C) with soap or a mild household detergent, leaving it to work until the dirt starts to loosen.

\* Gasoline, turpentine, white spirit, trichloroethylene, perchloroethylene, trichloroethane especially for neoprene glues, alcohol.  
\*\* Acetone or nail polish remover, gasoline, turpentine, white spirit, trichloroethylene, perchloroethylene, trichloroethane especially for neoprene glues, alcohol.  
\*\*\* Alcohol.  
\*\*\*\* The offending items can be easily removed if they are soluble in water, otherwise use organic solvent or special graffiti cleaner.

# FENIX



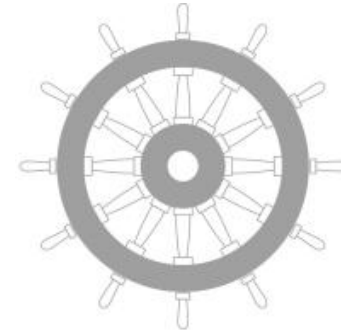
## CERTIFICATIONS

# FENIX | CERTIFICATIONS

Up to date certifications are online: [fenixforinteriors.com/en/download](https://fenixforinteriors.com/en/download)



The mark of  
responsible forestry



This document gives general recommendations. This document serves as a general guide to good practice and constitutes no form of warranty or representation as to fitness for purpose in respect of the products and processes described in it. Any information or products contained within this document must be verified and tested for suitability by the user for his or her particular purpose or specific application. Consideration needs to be given to local or specific circumstances. The content of this document reflects our knowledge and experience at the time of publication.

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