



# THE FENIX COLLECTION

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Inspirational materials for iconic washrooms



FENIX NTM®,  
NANOTECH MATT MATERIAL  
FOR INTERIOR DESIGN.  
MADE IN ITALY.

## A TIMELESS MATERIAL FOR NEVERENDING DESIGN STORIES.

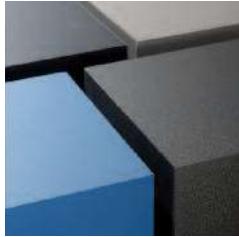
FENIX NTM® is an innovative material created for interior design applications by Arpa Industriale.

It is suitable for both vertical and horizontal use.

The external surface of FENIX NTM involves the use of nanotechnology and it is characterized by next generation acrylic resins, hardened and fixed with Electron Beam Curing process.

With low light reflectivity, its surface is extremely opaque, anti-fingerprint and features a very pleasant soft touch.

FENIX NTM is suitable for different interior design applications: kitchen, hospitality, healthcare, transportation, bathrooms, furniture (tables, bookshelves, partitions, chairs).



## OPEN YOUR MIND AND CREATE SURFACES FOR NEW THOUGHTS.

FENIX NTM® è un materiale innovativo di Arpa Industriale creato per l'interior design, adatto ad applicazioni sia verticali sia orizzontali.

La parte esteriore di FENIX NTM è ottenuta con l'ausilio di nanotecnologie ed è caratterizzata da una superficie trattata con resine acriliche di nuova generazione, indurite e fissate attraverso il processo di Electron Beam Curing.  
Con una bassa riflessione della luce, la sua superficie è estremamente opaca, anti impronte digitali e piacevolmente soft touch. FENIX NTM è adatto alle molteplici applicazioni tipiche dell'interior design: cucine, hospitality, healthcare, trasporti, bagni, elementi di arredo (tavoli, librerie, partizioni, sedie).

FENIX NTM® est un produit innovant créé par Arpa Industriale pour des applications de design intérieur. Il est parfaitement adapté aux applications verticales et horizontales. La surface décorative de FENIX NTM est obtenue par l'utilisation de la nanotechnologie combinée à des résines acryliques de nouvelle génération, durcies par un processus de polymérisation par faisceau électronique.

Avec une très faible réflectivité, sa surface est extrêmement opaque, anti-traces de doigts et offre un toucher très soyeux.

FENIX NTM est recommandé pour de nombreuses applications de design intérieur telles que cuisines, hôtellerie, hôpitaux, transports, salles de bains, mobilier (tables, bibliothèques, cloisons, chaises).

FENIX NTM® ist ein bahnbrechendes Material kreis von Arpa speziell für den Einsatz im Interiorbereich. Es ist sowohl für vertikale als auch horizontale Applikationen geeignet. Die dekorative Oberfläche wird durch eine spezielle Nanotechnologie und den Einsatz eines besonderen Herstellverfahrens – der Elektronenstrahlhärtung – veredelt. Zudem wurde eine neue Generation von Acrylharz hierfür von Arpa entwickelt, welcher in unserem Werk selbst hergestellt wird. So stellen wir durch eigene Herstellung aller Komponenten die gleichbleibend hohe Qualität von Fenix NTM sicher. Es zeichnet sich durch eine sehr geringe Lichtreflexion aus, ist dadurch extrem matt und verleiht der Oberfläche einen weichen, satten Touch. FENIX NTM eignet sich für die vielseitigsten Anwendungen im Innenbereich: Küche, Sanitär, Transport, Bad und Möbel (Tische, Regale, Abtrennungen, Stühle).

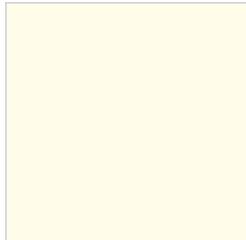
FENIX NTM® es un material innovador creado para aplicaciones de diseño de interior por Arpa Industrial, adecuado para aplicaciones tanto verticales como horizontales. La superficie exterior de FENIX NTM se obtiene con la aplicación de la nanotecnología y se caracteriza por el uso de resinas acrílicas que son endurecidas y fijadas a través de un proceso de Electron Beam Curing.  
Con una baja reflectancia de la luz, su superficie es extraordinariamente mate, antihuella digital, agradable y suave al tacto. FENIX NTM es adecuado para múltiples aplicaciones del diseño de interior: cocina, hostelería, sanidad, transportes, baños, muebles (mesas, estanterías, tabiques, sillas).





**COLOURS**

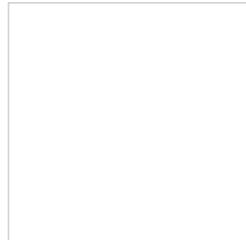
0029 Bianco Malè



0032 Bianco Kos



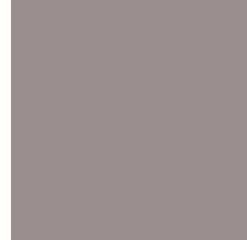
0030 Bianco Alaska



0719 Beige Luxor



0716 Rosa Colorado



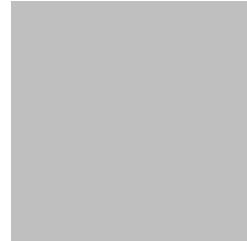
0717 Castoro Ottawa



0718 Grigio Londra



0725 Grigio Efeso



0724 Grigio Bromo



**COLOURS**

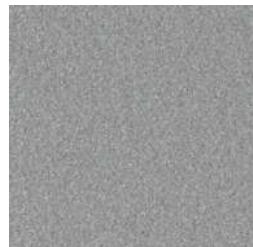
0721 Blu Delft



0720 Nero Ingo



2638 Titanio Doha



2628 Zinco Doha



2629 Bronzo Doha



2630 Piombo Doha







Code	Name
0029	Bianco Malè
0030	Bianco Alaska
0032	Bianco Kos
0716	Rosa Colorado
0717	Castoro Ottawa
0718	Grigio Londra
0719	Beige Luxor
0720	Nero Ingo

Code	Name
0721	Blu Delft
0724	Grigio Bromo
0725	Grigio Efeso
2628	Zinco Doha
2629	Bronzo Doha
2630	Piombo Doha
2638	Titanio Doha

Thickness	Decor	Type/Core	Size	
mm			3050x1300 mm	4200x1600 mm
0,9 mm	All FENIX NTM range	Standard	•	•
1,2 mm	All FENIX NTM range	With matched colour core	•	•
10,0 mm	All FENIX NTM range <b>except 0029, 0030, 0032, 0720</b>	Single sided black core	•	•
	All FENIX NTM range	Double sided black core	•	•
	0029, 0030, 0032	Double sided white core	•	•
12,0 mm	All FENIX NTM range <b>except 0029, 0030, 0032, 0720</b>	Single sided black core	•	•
	All FENIX NTM range	Double sided black core	•	•
	0029, 0030, 0032	Double sided white core	•	•

Customization available upon request.

Protective film included.



## MATT AND SOFT TOUCH SURFACE.

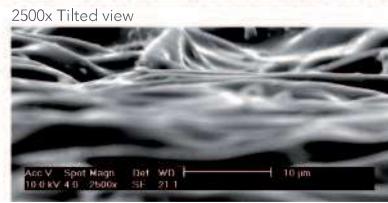
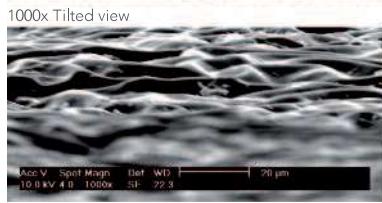
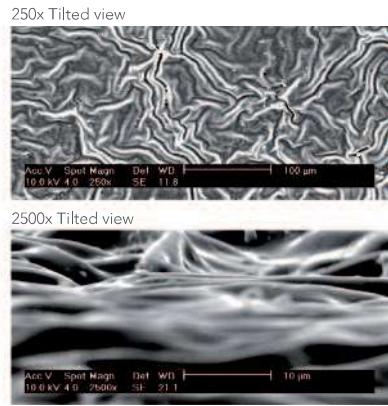
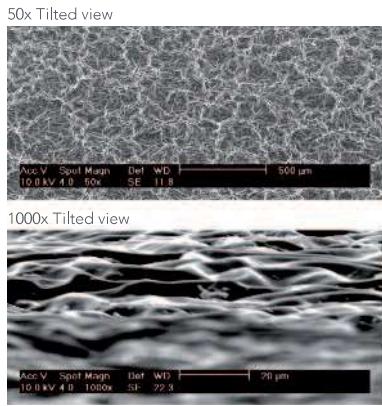
Thanks to the use of last generation acrylic resins, FENIX NTM's surface is extremely closed. The irregular surface topography has as a result a very low light reflectivity (a surface specular reflectance of 1,5 at 60°) and the soft touch effect.

Grazie all'uso di resine acriliche di ultima generazione, la superficie di FENIX NTM risulta essere estremamente chiusa. La topografia irregolare della superficie ha come risultato una bassa riflessione della luce (valore di riflessione speculare: 1,5 a 60°) e l'effetto soft touch.

Grâce à l'utilisation de résines acryliques de dernière génération, la surface de FENIX NTM est extrêmement fermée. La topographie irrégulière a comme résultat une très faible réflectivité de la lumière (réflectance de la surface : 1,5 à 60°) et le toucher soyeux.

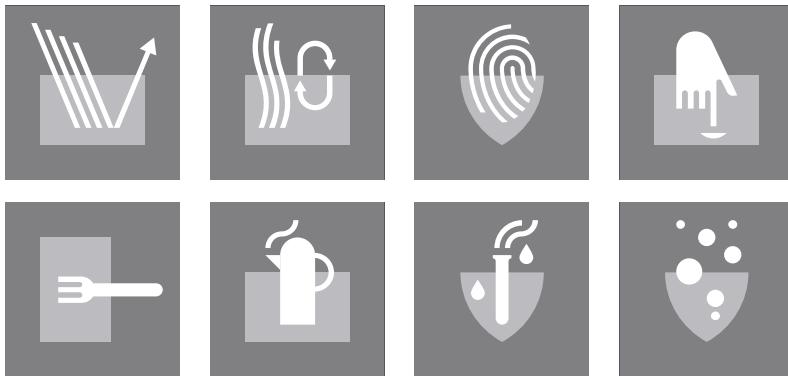
Dank einer neuen Generation Acrylharz bietet FENIX NTM eine extrem geschlossene Oberfläche und eine besonders weiche Haptik. Die unebene Oberfläche im Nanobereich sorgt zudem für eine besonders geringe Lichtreflexion (1,5 bei einem Winkel von 60 Grad).

Gracias a la utilización de resinas acrílicas de última generación, la superficie de FENIX NTM es extremadamente densa. Su topografía irregular resulta en una reflectancia mínima de la luz (reflectancia espectral de superficie: 1,5 a 60°) y un efecto suave al tacto.



## **FEATURES**

LOW LIGHT REFLECTIVITY, EXTREMELY MATT SURFACE  
THERMAL HEALING OF MICROSCRATCHES  
ANTI-FINGERPRINT  
SOFT TOUCH  
RESISTANCE TO SCRATCHES AND ABRASION  
RESISTANCE TO DRY HEAT  
HIGH RESISTANCE TO ACID SOLVENTS AND HOUSEHOLD REAGENTS  
ENHANCED ANTI-BACTERIAL PROPERTIES



Bassa riflessione della luce, superficie estremamente opaca  
Riparabilità termica dei micrograffi  
Anti-impronta  
Morbidezza al tatto  
Resistenza ai graffi e all'abrasione  
Resistenza al calore secco  
Elevata resistenza a solventi acidi e ai reagenti di uso domestico  
Alta attività di abbattimento della carica batterica

Faible réflectivité, surface extrêmement mate  
Réparation thermique des micro-rayures  
Aucune trace de doigts  
Toucher soyeux  
Résistance aux rayures et à l'abrasion  
Résistance à la chaleur sèche  
Grande résistance aux solvants et nettoyants ménagers  
Propriétés antibactériennes renforcées

Geringe Lichtreflexion, extrem matte Oberfläche  
Thermische Bearbeitung von Kratzern möglich  
Keine Fingerabdrücke  
Weicher Touch  
Resistent gegen Kratzer und Abrieb  
Resistent gegen trockene Hitze  
Resistent gegen säurehaltige und alle haushaltsüblichen Reiniger  
Verbesserte antibakterielle Eigenschaften

Reflectancia mínima de la luz, superficie extremadamente mate  
Reparabilidad térmica de microarañazos  
Anti-huella digital  
Suave al tacto  
Resistencia a los arañazos y a la abrasión  
Resistencia al calor seco  
Alta resistencia a disolventes ácidos y reactivos para uso doméstico  
Propiedad anti-bacterias reforzada

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Please visit [arpaindustriale.com](http://arpaindustriale.com) or [fenixntm.com](http://fenixntm.com)  
to download the most updated release of FENIX NTM® technical data sheet



**Hygienic**  
Igienico  
Hygiène  
Hygienisch  
Higiénico



**Resistance to impact**  
Resistenza all'urto  
Résistance aux chocs  
Schlagfest  
Resistencia al impacto



**Suitable for contact with food**  
Idoneo al contatto con gli alimenti  
Agréé pour le contact alimentaire  
 Geeignet für den Kontakt mit Lebensmitteln  
Apto para el contacto con alimentos



**Lightfastness**  
Stabilità alla luce  
Résistance à la lumière  
Lichtecht  
Estabilidad a la luz



**Easy to clean**  
Facile da pulire  
Facilité d'entretien  
Einfach zu Reinigen  
Fácil de limpiar



**Excellent intensity and colour depth**  
Eccellente intensità e profondità del colore  
Profondeur et intensité des couleurs  
Exzellente Farbtiefe und dekorativer Ausdruck  
Excelente intensidad y profundidad del color



**Mold-resistant**  
Antimuffa  
Résistance aux moisissures  
Schimmelsicher  
Antioxidante libre de moho



**Rub resistance**  
Resistenza allo strofinamento  
Résistance au frottement  
Wischfest  
Resistente a la fricción regular



**Antistatic**  
Antistatico  
Antistatique  
Antistatisch  
Antiestático



**Self-supporting (only for 10 and 12 mm)**  
Autoportante (solo per gli spessor 10 e 12 mm)  
Autoportant (uniquement en 10 et 12 mm)  
Selbsttragend (in den Stärken 10 und 12 mm)  
Autoportante (únicamente en 10 y 12 mm)



**Hydro-repellent**  
Idrorepellente  
Imperméable  
Wasserabweisend  
Hidrófugo



**Dimensional stability even at high temperature changes**  
Stabilità dimensionale in presenza di elevata variazione termica  
Stabilité dimensionnelle même en cas de grande variation thermique  
Hohe dimensionale Stabilität auch bei großen Temperaturschwankungen  
Estabilidad dimensional en caso de elevada variación térmica



## APPLICATIONS

KITCHEN  
BATHROOM  
FURNITURE  
HEALTHCARE  
HOSPITALITY  
OFFICE  
TRANSPORTATION  
ELEVATORS  
DOORS

Cucina	Küche
Bagno	Bad- und Sanitärbereich
Arredamento	Möbel
Healthcare	Bewirtung
Hospitality	Gesundheitswesen
Uffici	Büro
Trasporti	Transport
Ascensori	Aufzüge
Porte	Türen

Cuisines	Cocina
Salles de bain	Baño
Mobilier	Mobiliario
Santé	Sector sanitario
Hotels et restaurants	Hostelería
Bureaux	Oficina
Transports	Transportes
Ascenseurs	Ascensores
Portes	Puertas

## HONOURS AND AWARDS



Best of the Best



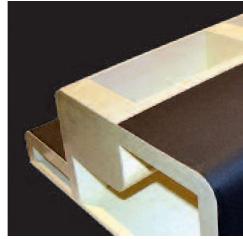
First Prize  
Design Category



Selected by ADI  
for ADI Design Index



Best Design Material



## OVER 60 YEARS OF RESEARCH, TECHNOLOGY AND INNOVATION.

Since 1954 Arpa Industriale has been designing and manufacturing panels with very high quality HPL technology for the most diverse applications: from architecture to interior design, from healthcare to shipyards, from transport to hospitality, from retail to kitchens.

Dal 1954, Arpa progetta e produce pannelli con tecnologia HPL di alta qualità per le più svariate destinazioni d'uso: dall'architettura al design d'interni, dall'healthcare alla cantieristica navale, dal trasporto all'hospitality, dal retail al kitchen.

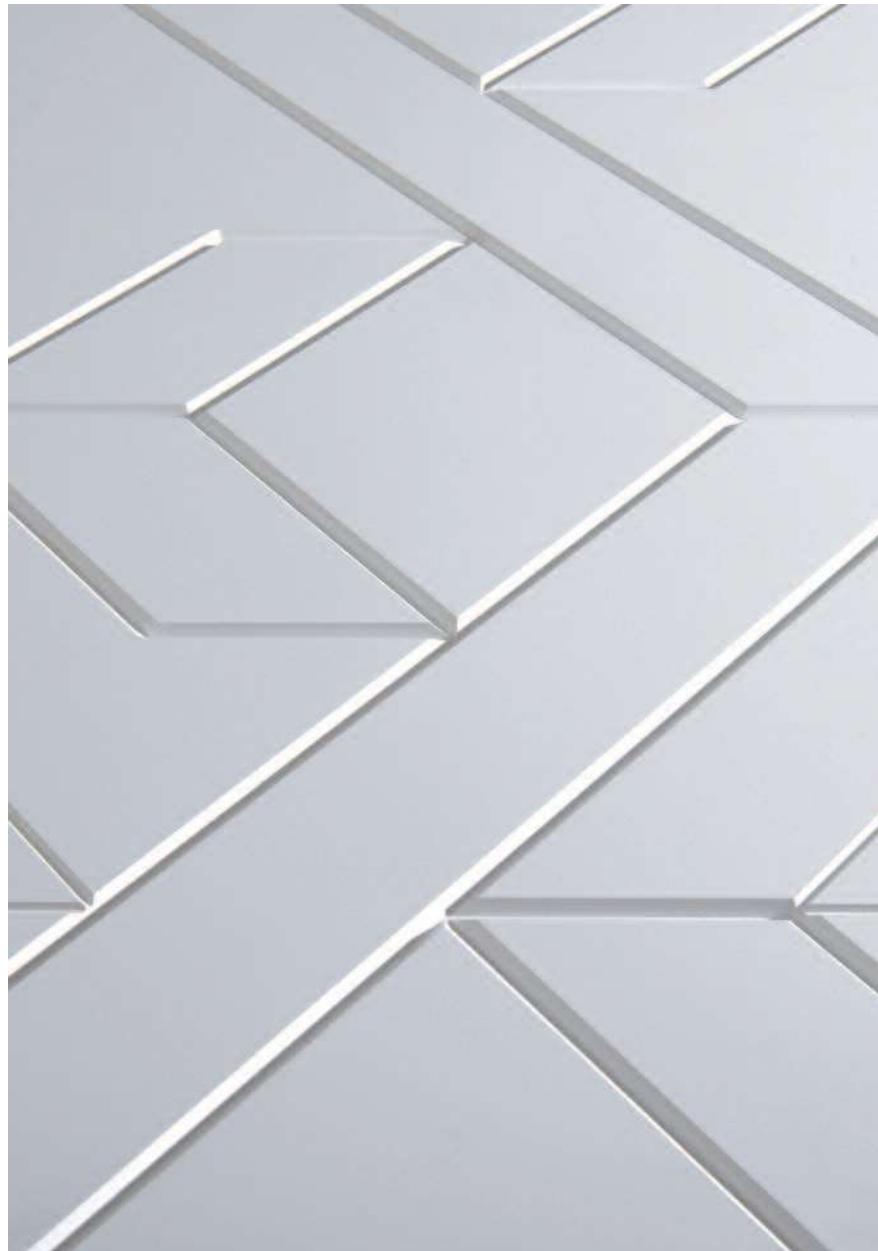
Depuis 1954, Arpa Industriale conçoit et fabrique des panneaux HPL haut de gamme pour les applications les plus diverses : des projets architecturaux aux agencements intérieurs, des établissements médicaux aux chantiers navals, du transport à l'hôtellerie, des boutiques aux cuisines.

Seit 1954 fertigt und entwickelt Arpa Industriale hochwertige HPL- und Vollkernplatten für die Innenanwendung: von der Küche bis zu medizinischen Bereichen, im Laden- und Messebau, im Schiffsbau und in Sanitärbereichen, im Gastro- und Hotelbereich - vielfältigste Anwendungen für Objekt und Architektur.

Desde 1954, Arpa Industriale diseña y fabrica paneles HPL con tecnología de la más alta calidad para los más diversos usos y aplicaciones: en arquitectura y diseño de interiores, para astilleros, cocinas, para los sectores sanitario, de hotelería y turismo, de transportes, de venta al por menor...

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**FENIX NTM™ | THIN**

FENIX NTM™ is an innovative material created for interior design by Arpa Industrie. It is produced by the simultaneous application of heat (approx. 150 °C) and high specific pressure (> 7 MPa) in a composite panel.

The core structure of FENIX NTM™ consists of a panel impregnated with thermosetting resins. Its external surface involves the use of nanotechnology and its decor is obtained through next generation resins developed thanks to Arpa Industrie's research.

FENIX NTM™ is material which stands out for specific features such as: high resistance to scratches and to dry heat, anti-fingerprint, soft touchness, low light reflectivity, thermal healing of microscratches, enhanced anti-bacterial properties.

FENIX NTM™ is suitable for different interior design applications: kitchens, hospitality, healthcare, bathrooms, furniture (tables, bookshelves, partitions, chairs, etc.).

FENIX NTM™ is a registered trademark by Arpa Industrie.

STANDARD MULTICOLOR EVOLUTION				
PROPERTIES	TEST METHOD	PROPERTY OR ATTRIBUTE	UNIT	VALUES
<b>SURFACE QUALITY</b>				
Surface quality	EN 438-2,4	Spots, dirt and similar surface defects Fibres, hair and scratches	mm²/m² mm/m²	≤ 1 ≤ 10
<b>DIMENSIONAL TOLERANCES</b>				
Dimensional tolerances	EN 438-2,5	Thickness tolerance	mm	0.9 ± 0.10
	EN 438-2,6	Length and width	mm	+ 10 / - 0
	EN 438-2,7	Straightness of edges	mm/m	≤ 1.5
	EN 438-2,8	Squareness	mm/m	≤ 1.5
	EN 438-2,9	Radii (measured on full-size sheet)	mm/m	≤ 60
<b>GENERAL PROPERTIES</b>				
Resistance to surface wear	EN 438-2,10	Initial point Wear	Revolutions Revolutions	≥ 200 ≥ 350
Resistance to immersion in boiling water	EN 438-2,12	Appearance	Rating	≥ 4
Resistance to water vapour	EN 438-2,14	Appearance	Rating	≥ 4
Resistance to dry heat (180°C/29°)	EN 438-2,16	Appearance	Rating	≥ 4
Resistance to wet heat (100°)	EN 12721:1997	Appearance	Rating	≥ 4
Dimensional stability at high temperatures	EN 438-2,17	Cumulative dimensional change Cumulative dimensional change	Longitudinal % Transversal %	≤ 0.55 ≤ 1.05
Resistance to impact with small diameter ball	EN 438-2,20	Spring force	N	≥ 21
Resistance to impact with large diameter ball	EN 438-2,21	Drop height Indentation diameter	mm mm	≥ 800 ≥ 8
Resistance to cracking	EN 438-2,23	Appearance	Rating	≥ 4
Resistance to scratching	EN 438-2,25	Appearance	Rating	≥ 4
Resistance to staining	EN 438-2,26	Appearance - Group 1 and 2 Appearance - Group 3	Rating Rating	≥ 5 ≥ 4
Light fastness (Xenon-arc)	EN 438-2,27	Contrast	Grey scale rating	≥ 4
Resistance to cigarette burns	EN 438-2,30	Appearance	Rating	≥ 3
Surface specular reflectance	ISO 2813	Surface specular reflectance	Gloss unit	indicative values: 0.2 at 20°, 1.5 at 90°, 10 at 85°
Electrostatic property	EN 13104-1	Surface electrical resistance	Ω	values between $1 \times 10^9$ and $1 \times 10^{12}$
Density	EN ISO 1183	Density	g/cm³	≥ 1.35
Resistance to microscratches	EN 16094	Resistance to micro-scratches	Method A Method B	MSR-B2 solid black - MSR-B1 dark printing MSR-B2 solid black - MSR-B1 dark printing
<b>FIRE PERFORMANCES</b>				
Reaction to fire	The Reaction to Fire of FENIX NTM is subject to the most stringent when the surface of FENIX NTM is bonded to a substrate. The requirements may be different depending on the substrates, the type and thickness technique applied. The reaction to fire testing of the composite panel is under the responsibility of the panel manufacturer, for its own interests. Arpa Industrie does some testing reports available in relation to specific applications and markets. Customers may refer to the Customer Care for information.			
<b>OTHER PROPERTIES</b>				
Acids resistance	SEFA 6.0/L-2010 method 6.1	Chemical Spot Test	passing/not passing	passing
Formaldehyde emission	EN 717-2 EN 13986	Gas analysis Formaldehyde emission rating	mg/(m² x h) rating	0.2 - 0.4 E1
Hygiene	NSF	NSF/ANSI 35	passing/not passing	passing
Volatile Organic Chemical Emissions	GreenGuard IAQ according to EPA TO-17 and ASTM D 6196 EPA TO-1A and ASTM D 5197	Individual VOCs Formaldehyde TVOC Dialkyl Phthalates Total Particles	TLV ppm mg/m³ µg/m³ µg/m³	≤ 0.1 ≤ 0.025 ≤ 0.25 ≤ 0.05 ≤ 0.05
	EN 1186-3 EN 1186-3 EN 1186-14 EN 1186-14	90% extract 24h at 40°C 90% extract 24h at 40°C 95% extract 24h at 40°C 90% extract 24h at 40°C	mg/dm²	< 10 < 10 < 10 < 10
Contact with food • Overall migration	EN 1186-3 EN 1186-3 EN 1186-14 EN 1186-14	90% extract 24h at 40°C 90% extract 24h at 40°C 95% extract 24h at 40°C 90% extract 24h at 40°C	mg/kg	< 10 < 10 < 10 < 10
Contact with food • Formaldehyde specific migration	EN 13190-03	90% extract 24h at 40°C	mg/kg	< 15
Evaluation of micro-organism action	JIS Z 2801	biochemical activity: - Log reduction: - reduction %	biochemical activity: - Log reduction: - reduction %	> 2.4 > 99.9

**Note to laminates with adhesive protective film**

The laminates with an adhesive protective film have a protective function against scratches and tool marks, they are not designed for protection against corrosion, humidity or chemicals.

The laminates covered with the protective film shall be stored in a clean, dry place at room temperature (optimum 20°C), avoiding weathering and UV exposure.

The protective film shall be removed from the laminate surface within 6 months from the date of delivery from Arpa Industrie.

Arpa Industrie cannot be responsible for the misuse of the laminates covered with the protective film, nor for the consequences for non-recommended applications.

**Disclaimer**

The Product Technical Sheets provide all the technical information relevant to the performance of the product as tested by Arpa Industrie or certified testing agencies. Arpa Industrie maintains the right to change and alter the product of construction and production process and therefore the performance characteristics of the product at all times, as reported to the Arpa Industrie website. Customers and end-users of the product are requested to check for the latest technical information regarding the products performance on the website of Arpa Industrie before application. In any case, Arpa Industrie, in every contractual relationship, will refer only to the technical information published on its website. Arpa Industrie will not assume any liability if the end-user or customer refer to any other technical information of the product.



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the most inspirational spaces for iconic  
projects both in the UK and internationally.**

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[www.washroom.co.uk/toolbox/colours/](http://www.washroom.co.uk/toolbox/colours/)