

FAQ | FREQUENTLY ASKED QUESTIONS

1. WHAT IS FENIX NTM?

It is a new smart nanotech material; it is neither a HPL, nor a film or a finish.

2. WHAT DOES NTM MEAN?

Nano Tech Matt.

3. WHICH ARE THE UNIQUE PROPERTIES OF FENIX NTM?

The six main properties are: 1) low light reflectivity, extremely matt surface 2) anti-fingerprint 3) thermal healing of micro-scratches 4) soft touch 5) resistance to scratches and abrasion 6) enhanced anti-bacterial properties. See all the features on www.fenixntm.com

4. WHY FENIX NTM IS NOT INCLUDED IN THE ARPA GENERAL COLLECTION?

Because it is not a HPL product; it is a new smart material for interior design.

5. IS IT FENIX NTM SUITABLE FOR HORIZONTAL APPLICATIONS?

Yes, it is suitable both for vertical and horizontal applications.

6. WHICH IS THE MANUFACTURING PROCESS?

70% of the FENIX NTM manufacturing process consists of high pressure thermo-lamination; 30% implies the use of technologies and processes, developed exclusively by Arpa Industriale and its partners, which involve the use of next generation resins, nanotechnology and EB curing.

7. WHICH KIND OF NANOTECHNOLOGIES ARE YOU USING FOR FENIX NTM?

The nanotechnology applied in FENIX NTM results in a superior scratch resistance and in the reparability of micro-scratches. FENIX NTM features the superior scratch resistance properties of particles that are so small (nano-sized, smaller than 100 nm) that they are not visible to the naked eye. Applying smart high-tech processes, these nanoparticles are evenly dispersed into a specific developed coating for FENIX NTM. After curing the coating, the nanoparticles are fully integrated and fixed inside the outer layer of FENIX NTM. FENIX NTM is a friendly and safe material, also suitable for contact with food (NSF certification).

8. WHAT IS FENIX NTM CORE MADE OF?

It is made of paper and thermosetting resins.

9. HOW MANY TIMES CAN THE SURFACE BE REPAIRED BY THERMAL HEALING?

If the structure of the material is not damaged, the thermal healing repair can be made infinitely.

10. HAS THE REMOVAL OF MICROSCRATCHES TO BE DONE IMMEDIATELY?

Tests have shown that the removal of micro-scratches by a melamine foam sponge takes place both immediately and after 24h.

11. WHICH IS FENIX NTM SURFACE SPECULAR REFLECTANCE?

FENIX NTM surface is extremely matt: 0.2 gloss at 20°, 1.5 gloss at 60°, 10 gloss at 85°.

12. WHICH MANUFACTURING TOOLS ARE SUGGESTED?

Cutting tools: saws with tungsten carbide inserts blades, portable circular saws, bench circular saws. Milling tools: various portable cutters, fixed equipment (milling machines or wood machining centres). Smoothing tools: files, sandpaper. Drilling tools: pillar tools, hand tools or a machining centre that can mill as well as drill (twist drills, hole cutters). Machining solid FENIX NTM is comparable to machining high quality hardwood. The use of hard metal tools is advised.

13. HOW CAN EDGING BE MANAGED?

Edges may be made using either FENIX NTM 1.2 mm or ABS / Polymeric edges developed in partnership with Rehau and Döllken. For FENIX NTM 1.2 edges a polyurethane glue has to be used. ABS/Polymeric edges can be glued with hot melt adhesives or with new laser or air systems.

14. IS THERE A POSTFORMING GRADE IN THE FENIX NTM RANGE?

It is not available yet.

15. WHICH ARE THE THICKNESSES AVAILABLE?

There are four available thicknesses.
Thin: 0.9 and 1.2 mm.
Solid: 10 and 12 mm.

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16. WHICH ARE THE SIZES AVAILABLE?

There are two available panel sizes: 4200 x 1600 mm and 4300 x 1850 mm (only in compact).

17. HOW MANY DECORS ARE AVAILABLE?

The range is made of 14 decors: 8 plain colours, 3 pearlescent and 3 fancy ones.

18. MAY CLIENTS GET THE HIGH RES DECORS PICTURES?

They can be all downloaded in high resolution from the FENIX NTM web site (fenixntm.com).

19. ARE PROJECT COLOURS AVAILABLE?

Project plain colours can be ordered upon a minimum quantity with a price surcharge.

20. WHERE MAY I FIND TECHNICAL INFORMATION ON THE PRODUCT?

On fenixntm.com you may find the technical data sheets, the standard delivery programme, videos illustrating the surface properties.

21. WHICH CERTIFICATIONS ARE RELATED TO FENIX NTM?

FENIX NTM is certified according to NSF (the material is suitable for contact with food), Greenguard IAQ (FENIX NTM as a product designed for use in indoor spaces meets strict chemical emissions limits) and IMO MED (FENIX NTM 0.9 mm is suitable for marine equipments).

22. HAS FENIX NTM A WARRANTY?

Arpa Industriale standard warranty policy is applied.

23. IS FENIX NTM A TRADEMARK?

FENIX NTM® is a registered trademark by Arpa Industriale since 2013.

24. WHICH ARE THE INSTALLATION INDICATIONS?

FENIX NTM is a semi-finished product, so the transformer's indications should be followed, according to the diverse applications in different contexts.

25. DOES FENIX NTM FEATURE A PRODUCT DIRECTIONALITY?

The product has a slight directionality which is only visible under certain lighting conditions. On

current packaging product directionality is marked just on a precaution basis.

26. IS FENIX NTM FEATURING A SPECIAL PACKAGING?

Arpa's standard packaging is being used for FENIX NTM: pallets for truck transportation and wooden cases for sea transportation.

27. WHAT IS THE AVERAGE LIFE OF A SHEET OF FENIX NTM?

The life expectancy of FENIX NTM is much longer than that of a human being! A piece of furniture made of FENIX NTM is not easily damaged. Of course, the actual lifespan depends on how it is used, especially as regards the decorative surface. In any case, its durability is another of its considerable qualities and helps to make it especially attractive from an environmental point of view as well. Long life means less waste and a saving in resources.

28. HOW CAN FENIX NTM BE DISPOSED OF?

FENIX NTM is not a dangerous product and requires no special treatment. Thanks to its high cellulose content, the material can be used for energy recovery at the end of its life cycle, in incinerators authorised for municipal waste. For instance: at Arpa Industriale, FENIX NTM waste are used as fuel to generate the energy needed for manufacturing. The residual ash can be treated as solid municipal waste (EAK Code 120105).