

Materials and Construction

FENIX NTM® is an ideal material for creating luxurious interiors. Advanced acrylic resins and nanotechnology grant it superior aesthetic and technological properties. Its surface has low light reflectivity due to extreme opacity, feels soft to the touch, and is resistant to fingerprints. Nanoparticles provide high resistance to scratches, abrasions, and stains. Surface micro-scratches can be repaired using a nano sponge or even a household iron.

Technical Properties of FENIX NTM®

- Deep matte surface.
- Resistance to scratches and abrasions & capability for thermal repair.
- Resistance to dry heat and acidic solvents.
- Antibacterial properties and resistance to mold.

Technical Specifications

- Core material: 16 mm chipboard (OTD).
- Front surface: FENIX NTM®, thickness 0.9 mm.
- Rear surface: FENIX NTM®, thickness 0.9 mm.
- Total board thickness: 18 mm.
- ABS edges bonded with PUR adhesives.
- Protective film applied on both sides.
- The material repels water, is antistatic, and lightfast.
- Heat resistance: dry heat up to 160°C for 20 minutes.

Caution!

The protective film includes arrows indicating the „grain direction.“ Failing to align the grain direction to the required dimensions may lead to color perception differences across individual components, despite the low reflectivity of the surface. Claims for color mismatches due to non-compliance with the grain direction will not be accepted.

Tolerances

Dimensional tolerances compared to documentation values: ± 1 mm. Due to material stress, warping may occur – allowable tolerance is ± 4 mm per 1 m.

Dimensions

- Minimum size: 100 mm x 100 mm.
- Maximum size: 3,000 mm x 1,250 mm.

Applications and Instructions

- Suitable for vertical and horizontal interior surfaces, tabletops, and wall panels.
- Homogeneous, soft material that resists fingerprints.
- Suitable for food contact.
- Easily repairable in case of surface damage.
- Can be processed by cutting, drilling, or milling, e.g., for recessed handles.