

**Chapter 1: GENERAL****1.1 RELEVANT STANDARDS**

TS EN 13964 Suspended ceilings - Required properties and test methods

TS EN ISO 11654 Sound Absorbers Used in Buildings - Sound Absorption Rating

TS EN 13501-1 Building Products and Building Elements, Fire Classification - Part 1: Fire Classification Using Data Obtained from Converse Behavior Experiments

TS EN 485-1 Aluminum and Aluminum Alloys Tape Strip and Sheet - Part 1: Inspection and Technical Conditions for Delivery

TS EN 755-1 Aluminum and Aluminum Alloys - Extruded Wire Bar/Rods, Pipes and Profiles - Part 1: Technical Inspection and Delivery Conditions

**1.2 SYSTEM DESCRIPTION**

Panels supported by a completely concealed hanging rod and nail carrier system; It is manufactured in accordance with ISO9001:2000 and TSE quality management system. Panels are produced as flat or perforated according to customer request.

1.00- in suspended ceilings with panels manufactured in the form of aluminum linear lamellae Carrier profiles are placed at 1.25m intervals.

**CHAPTER 2: PRODUCT****2.1 PANEL**

\_\_\_\_\_m2 nordic Linear Lamel Panel:

Panels are produced from 3000 series painted Aluminum material with a thickness of 0.50 mm. Panel surfaces are resistant to corrosion and scratching. The material is produced with its surface covered with a protective film.

Standard color is RAL 9016.

Panels are produced with a perforation diameter of Ø2.00 mm and a perforation rate of 17%.

Lengths are produced freely.

**2.2 CARRIER SYSTEM**

The claw carrier is manufactured from galvanized sheet material with a thickness of 0.80 mm and painted on both sides. Claw carrier lengths are between 3000-5000 mm and are shaped according to customer requests.

The distance between the points where the hanger wires are hung on the claw carrier is max 1200mm. should be.

**3: ADDITIONAL FEATURES****3.1 COATING**

The inward facing sides of the aluminum lamellae painted with the roller paint system fabricated with the coating-resistant polyester-based electrostatic powder coating process are min. 7 micron epoxy primer, front surface min. With min.20 micron polyester topcoat paint over 5 micron epoxy primer.

### 3.5 APPLICATION

All materials must be carried out in accordance with current standards and manufacturer's recommendations:

A. In suspended ceilings made with aluminum lamellas; Oven painted and double nailed L, U, T profiles will be used. Edge U profiles are mounted on opposite walls. Screwing the bracket to the wall is done every 35-40cm maximum. The surfaces on which these edge profiles are mounted must be smooth to avoid deformations due to indentations and protrusions.

B. In places where the weight of the suspended ceiling is high, the carrier profiles should be hung at a maximum of 300 mm from the angle bracket, as the edge profiles will not carry too much load.

C. At least 0.50 mm on these profiles. Aluminum lamellae made of thick special alloy aluminum plate and chromitized, their outer surfaces anodized or oven painted in the desired color and bent so that the flat part remains at the desired width, 1.5 or 2.0 cm apart. It will be fixed with the help of nails to leave the joint gap.

D. In suspended ceilings with pressure slats, the joint gaps will be closed with special profiles made of at least 0.30 mm special alloy aluminum plate, bent in a U shape, chromitized and then anodized or oven-painted.

### 3.6 IMAGE



