

**Chapter 1: GENERAL****1.1 APPLICABLE 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: Using Data Obtained from Fire Behavior Experiments Classification***

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

60x60 cm in size, 0.70 mm thick, minimum 20 micron electrostatic powder coated  
Suspended system suspended ceiling panel made of perforated aluminum plate (EN AW 3000 series) with acoustic fabric coated back side (polyester based)  
Metal panels suspended from the top on 24mm wide T carrier profiles

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

\_\_\_\_\_m2 nordic Lay-in Sarkmalıy System Asma Tavan:

Aluminum or galvanized steel straight edge panels measuring 600 x 600 mm, 0.7 mm thick.

**2.2 CARRIER SYSTEM**

Grid system created by interlocking perforated main carrier profiles and secondary carrier profiles at right angles at certain intervals according to the panel size.

The distance between the points where the suspension wires are hung on the main carrier is maximum 1200mm. Main carrier and secondary carriers have baked enamel or electrostatic powder paint finish. Painting can be done in a color suitable for the panel.

**3: ADDITIONAL FEATURES****3.1 EDGE PROFILES**

- Min. L section corner profile with 0.31mm thickness and 22 x 22 mm dimensions
- Min. Stepped Z section corner with dimensions of 25 x 15 x 25 x 12 mm with 0.50 mm thickness profiles

### 3.2 PERFORATION

The manufacturer produces panels made of aluminum or galvanized steel as fully perforated, leaving a 10 mm natural border on all edges; 15% perforated surface with 2.5 mm hole diameter, with 50mm borders on all edges; 11% perforated surface with 2.5mm hole diameter, with 100mm border on all edges; It can produce a 7% perforated surface with a hole diameter of 2.5mm.

Perforations can be produced with a standard 2.5mm hole diameter as well as 1.8mm hole diameter.

### 3.3 ACOUSTIC

The manufacturer sticks a 0.2mm thick non-woven textile-based black interlining fabric (domestic production or imported Soundtex or Royalin brand) on the back of the panels, or a 5cm thick, 50kg/m<sup>3</sup> density mineral wool mattress can be laid on the back of the panels.

### 3.4 COATING

The coating is coated with durable polyester-based electrostatic powder coating process, min. It is made with a thickness of 60 microns. (In accordance with EN TAIM ASTM standards)

### 3.5 APPLICATION

All materials must be made in accordance with local standards and manufacturer's recommendations:

A. Main carrier profiles should be hung securely at a maximum of 1200 mm, with a distance of 1200 mm between them. The hanger of the main carrier profiles at the wall edge should not be further than 450 mm from the wall. The 600 x 600 mm module will be formed by mounting a 600 mm cross-carrier profile from the middle of two 1200 mm cross-carriers.

B. In places where the weight of the suspended ceiling is high, the carrier profiles should be hung at a maximum of 450 mm from the angle bracket, as the edge profiles will not carry too much load.

The corner details of the wall edge profile should be overlapped, bent on top of each other, or mitered.

D. Panels at the edge of the ceiling should be applied to be wider than ½ of the full module.

AND. The hanger wire must be stretched before use and its diameter must not be less than 2 mm.

F. Rivets and screw heads should not be visible.

G. Galvanized hanger rod with original adjustment latch should be used.

While the carrier is suspended with the suspension wire, a solid H. connection should be obtained by bending around the wire at least three times.

The surfaces on which the edge profiles are mounted must be smooth to avoid deformations due to indentations and protrusions.

J. No connection will be made to the electrical and mechanical system during installation.

Plumbing vents and fixtures will be placed in their places. (Spaces will be left in accordance with the requests of the relevant K. contractors.)

L. Opening of installation and armature holes on the ceiling is within the scope of the contractor.

**3.6 IMAGE**

