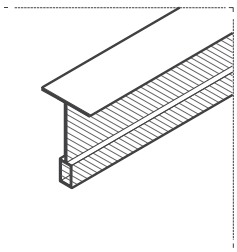
T35 PROFILES

DESCRIPTION

The T35 structure composed of primary and secondary T-shaped profiles allows the suspension of insulation panels of varying sizes and materials (plasterboard, wood, etc.). The profiles are made of galvanised steel, and the visible part is covered in another sheet that is pre-lacquered in different colours. For this type of profile there is the option of a galvanised, smooth or knurled finish, which allows you to screw plasterboard.



The width of the profiles is 35 mm and the height is 38 mm. The assembly makes up a 600 x 600 mm grid.

The metallic structure is made up of 3.7 m die-cut primary profiles, upon which the 1.2 and 0.6 m secondary profiles are supported. The product codes are defined with code 3538xx. The first two numbers refer to the length of the profile, 37 for the primary (3700 mm), 12 for the 1200 mm secondary and 06 for the 600 mm secondary.

MATERIAL

Profiles made of S250GD + Z100 galvanised steel or steel of similar characteristics plus a galvanised steel sheet or aluminium sheet as a coloured cover for the visible part.

ADD-ONS (Removable ceiling construction)

1) Suspension system

The structure is suspended from the framework by means of special M6-metric right-angled hanger parts. This system fixes and stabilises the supporting profiles of the insulating panels that rest on them.

2) Perimeter profile

For the points where it meets partitions there is a 24 mm angle profile that can be used as a solution for perimeter finishes.

3) Threaded rod set

A set of parts comprising 1 m of threaded rod, two nuts and washers. This system ensures its attachment to the framework and the ceiling itself.

PROPERTIES

T35 profile bending test conducted by AIMME (UNE-EN 13964-2006): 10 bending tests are performed on T35 profiles with a span length of 1500 mm for a Class 2 deflection (L/300 = 5 mm).

- Maximum permitted permanent deflection = 0.20 mm
- Average permanent deflection = 0.1334 mm
- Flexural rigidity EI (Class 2) = 17.7×10^8 N·mm^2
- Permissible bending moment (Class 2) = 4.72×10^4 N·mm

Reaction to Fire test at AFITI (UNE-EN 13501-1:2019)

Steel profile test in Afiti, report 4292T21-2 PROFILES. Result: Euroclass A1. Non-combustible product (no contribution to fire), with low quantity and speed of smoke emission and does not produce inflamed droplets or particles.

UPDATED VERSION

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