A first aspect of the invention relates to an edge profile forming part of a suspended ceiling substructure comprising a plurality of support profiles arranged suspended from a raw ceiling of a building structure and a plurality of base profiles, each of which being attached to at least one of the plurality of support profiles. The edge profile has a U-shaped cross-section comprising a base portion capable of being fixed to a wall structure, a first leg portion and a second leg portion. The first leg portion preferably has an outer section and an inner section, wherein the outer section is arranged offset towards the inner section and relative to the second leg portion, wherein the second leg portion comprises an abutment edge extending inwardly towards the first leg portion. Thus, the outer section preferably is arranged further inside and closer to the second leg portion than the inner section.
A second aspect of the present invention relates to a securing clip for securing a support profile suspended from a raw ceiling by a hanger to the support profile, wherein the securing clip has a first and a second leg portion arranged in an L-shape, the first leg portion being longer than the second leg portion, and comprising a slot open to one small end of the first leg portion to slidably fix the securing clip over the support profile by arranging the hanger in the slot.

As disclosed, an edge profile for an earthquake-proof ceiling construction is provided which allows for (fixedly) arranging the end protions of support profiles between of the outer section of the first leg portion and the second leg portion. In particular this may be of advantage during seismic movement, since the support profile cannot vertically move. In case of a strong earthquake, the support profile is vertically fixed between the first leg portion and the second leg portion and cannot be lifted or even drop therefrom into the room below. Embodiments of the invention may provide the advantages of known L-shaped edge profiles with improved stability (due to the leg portion formed with an outer section and an inner section for resting the support profile onto the upper surface of outer section while the building boards are mounted from below in contact with the lower surface of the inner section) in combination with the advantages of an earthquake-proof drywall ceiling construction.

The building boards according to embodiments of the invention can comprise gypsum plasterboards, gypsum fiberboards, cement boards, vermiculite boards, silicate boards, and magnesium oxide boards. In the following and for the sake of simplicity only, the expression "plasterboard" is used although all other building boards can also be used.

Claims

1. Edge profile forming part of a suspended ceiling substructure comprising a plurality of support profiles arranged suspended from a raw ceiling of a building structure and a plurality of base profiles, each of which being attached to at least one of the plurality of support profiles,

   the edge profile having a U-shaped cross-section comprising a base portion capable of being fixed to a wall structure, a first leg portion and a second leg portion, the first leg portion having an outer section and an inner section, wherein the outer section is arranged offset towards the inner section and relative to the second leg portion,

   wherein the second leg portion comprises an abutment edge extending inwardly towards the first leg portion.

2. Edge profile according to claim 1, wherein the outer section of the first leg portion is parallel to the second leg portion.

3. Edge profile according to claim 2, wherein the outer section and the second leg portion are arranged parallel in a distance of 30 mm to 50 mm.

4. Edge profile according any one of the proceeding claims, wherein the inner section of the first leg portion has a length which is shorter than the length of the outer section.

5. Edge profile according any one of the proceeding claims, wherein the inner section has a length of 15 mm to 25 mm, and the outer section has a length of 25 mm to 35 mm.

6. Edge profile according any one of the proceeding claims, wherein the abutment edge is arranged in a distance from the base portion which corresponds to the length of the inner section of the first leg portion.

7. Securing clip for securing a support profile suspended from a raw ceiling by a hanger to the support profile, wherein the securing clip has a first and a second leg portion arranged in an L-shape, the first leg portion being longer than the second leg portion, and comprising a slot open to one small end of the first leg portion to slidably fix the securing clip over the support profile by arranging the hanger in the slot.

8. Securing clip according to claim 7, wherein the clip can be fastened to the support profile by a securing means, the securing means especially being a screw, a pin or a rivet.

9. Suspended ceiling substructure comprising a plurality of support profiles to be arranged suspended from a raw ceiling of a building structure and a plurality of base profiles, each of which being attached to at least one of the plurality of support profiles, wherein the suspended ceiling substructure further comprises at least one edge profile according to any one of the claims 1 to 6.

10. Suspended ceiling substructure according to claim 9, wherein the inner section and the outer section of the first leg portion of the edge profile are arranged parallel having an offset distance which corresponds to the distance between a lower surface of the plurality of support profiles and a lower surface of the plurality of attached base profiles.

11. Suspended ceiling substructure according to claim 9, wherein each support profile comprises at least one hanger for arranging the support profile at a raw ceiling of a building structure.

12. Suspended ceiling substructure according to claim 9 or 10, comprising at least one further edge profile having an L-shaped cross section.

13. Drywall ceiling comprising a suspended ceiling substructure according to any one of claims 10 or 11 and at least one layer of building boards, in particular gypsum plasterboards, gypsum fiberboards, cement boards, vermiculite boards, silicate boards, and magnesium oxide boards attached to the base profiles.

14. Drywall ceiling according to claim 13, comprising one layer of building boards attached to the base profiles and at least one further edge profile having an L-shaped cross section, wherein a portion of the further edge profile is arranged between the building boards and the base profiles.

15. Drywall ceiling according to claim 13, comprising at least two layers of building boards attached to the base profiles and at least one further edge profile having an L-shaped cross section, wherein a portion of the further edge profile is arranged between individual layers of building boards of the two layers of building boards.

16. Drywall ceiling according to any one of claims 13 to 14, further comprising a securing clip fixing the hanger to the support profile.

17. Set for earthquake-proof construction of a drywall ceiling, comprising at least an edge profile according to any one of claims 1 to 6 and at least one securing clip according to claims 7 or 8.