CLAIMS

1. A facade assembly (14) for a building (10), with at least one facade element (16), which may be fastened to a wall or an inter-story ceiling (12) of the building (10), and with at least one fire-protection element (18), which may be mounted between the facade element (16) and the wall or the inter-story ceiling (12), wherein the fire-protection element (18) comprises an insulating layer (19) and at least one self-supporting angle profile (32) with two flanges (34, 36) disposed at an angle relative to one another, wherein one of the flanges (34) of the angle profile (32) is fastened to the facade element (16) and the other flange (36) of the angle profile (32) bears on the insulating layer (19), characterized in that a protective layer of an elastic material is provided, which covers the fire-protection element (18) at least partly.

2. A facade assembly according to claim 1, characterized in that the insulating layer (19) is a mineral-wool insulating layer, preferably a compressed mineral-wool insulating layer.

3. A facade assembly according to claim 1 or 2, characterized in that both flanges (34, 36) of the angle profile (32) are disposed outside the insulating layer (19).

4. A facade assembly according to claim 1 or 2, characterized in that the flange (34) of the angle profile (32) fastened on the facade element (16) is disposed between the insulating layer (19) and the facade element (16).

5. A facade assembly according to one of the preceding claims, characterized in that the angle profile (32) is an L-shaped profile with equal or unequal legs.

6. A facade assembly according to one of the preceding claims, characterized in that the angle profile (32) is formed at least partly from an intumescent material or is coated with an intumescent material.

7. A building structure using the facade assembly according to one of claims 1 to 6, wherein the building structure comprises at least one wall and/or an inter-story ceiling (12) and at least one facade element (16), which is fastened on the wall or

inter-story ceiling (12) of the building (10), wherein a joint (20) is formed between the facade element (16) and the wall or inter-story ceiling (12), and comprises at least one fire-protection element (18), which is mounted in the region of the joint (20) between the facade element (16) and the wall or the inter-story ceiling (12), characterized in that the fire-protection element (18) comprises an insulating layer (19) and at least one angle profile (32) with two flanges (34, 36) disposed at an angle relative to one another, wherein one of the flanges (34) of the angle profile (32) is fastened to the facade element (16) and the other flange (34) of the angle profile (32) bears on the insulating layer (19).

8. A building structure according to claim 7, characterized in that the flange (34) of the angle profile (32) bearing on the insulating layer (19) is disposed on a front side (38) of the insulating layer (19) opposite the joint (20).

9. A building structure according to claim 8, characterized in that the flange (34) of the angle profile (32) fastened on the facade element (16) is directed away from the insulating layer (19).

10. A building structure according to claim 7, characterized in that the flange (36) of the angle profile (32) bearing on the insulating layer (19) is disposed on a bottom side (40) of the insulating layer (19) facing the joint (20).

11. A building structure according to claim 10, characterized in that the flange (34) of the angle profile (32) fastened on the facade element (16) is disposed between the insulating layer (19) and the facade element (16).

12. A method for mounting a facade assembly (14) for a building (10) according to one of claims 1 to 6, with at least one facade element (16), which is fastened to a wall or an inter-story ceiling (12) of the building (10), and with at least one fire-protection element (18), which is mounted between the facade element (16) and the wall or the inter-story ceiling (12), wherein the fire-protection element (18) comprises at least one insulating layer (19) and at least one angle profile (32), with the following steps:

- attachment of the facade element (16) to the wall or the inter-story ceiling

(12) of the building (10), wherein a joint (20) is formed between the facade element (16) and the wall or the inter-story ceiling (12),

- attachment of the fire-protection element (18) to the facade element (16) and/or to the wall or the inter-story ceiling (12) of the building (10) in the region of the joint (20), wherein one flange (34) of the angle profile (32) is fastened to the facade element (16) and the other flange (36) of the angle profile (32) is brought into contact with the insulating layer (19).

13. A method according to claim 12, characterized in that the insulating layer (19) is introduced into the joint (20) and then the angle profile (32) is applied on the front side (38) of the insulating layer (19) positioned opposite the joint (20).

14. A method according to claim 12, characterized in that the angle profile (32) is mounted in the joint (20), wherein the flange (34) of the angle profile (32) that is fastened to the facade element (16) points into the joint (20), and then the insulating layer (19) is introduced into the joint, wherein the bottom side (40) of the insulating layer (19) opposite the joint (20) is brought into contact with the other flange (36) of the angle profile (32) and the flange (34) fastened on the facade element (16) is disposed between the insulating layer (19) and the facade element (16).