Claims

1. A drop-down seal for a door without a sill for sealing a gap between a door leaf and a floor, wherein the drop-down seal has a housing rail, a support rail, a seal profile and a lowering mechanism, wherein the seal profile is arranged on the support rail and the support rail is able to be lifted and lowered together with the seal profile by means of the lowering mechanism relative to the housing rail, and wherein the drop-down seal has a through-opening which runs transversely to the longitudinal direction (L) of the drop-down seal and parallel to the lowering and lifting direction (A) of the support rail and through which a locking bar (4) can pass,
wherein the support rail has a base rail and an expansion means which adjoins the base rail in the longitudinal direction (L) of the drop-down seal,
in that the through-opening runs along the expansion means and/or through the expansion means and over the entire height of the expansion means has an inner width (B_E) which is greater than the inner width (B_B) of the base rail or alternatively or in addition thereto which corresponds at least to the outer width of the base rail, wherein the inner widths (B_E, B_B) and the outer width extend perpendicularly to the longitudinal direction (L) and perpendicularly to the lowering and lifting direction (A),
and
wherein the base rail, the expansion means and the seal profile can be lifted and lowered together by means of the lowering mechanism.

2. The drop-down seal as claimed in claim 1, wherein the seal profile extends approximately over the entire length of the base rail and of the expansion means (5).

3. The drop-down seal as claimed in one of claims 1 or 2, wherein the expansion means is arranged on the base rail and fixed relative thereto.

4. The drop-down seal as claimed in any one of claims 1 to 3, wherein the seal profile is integrally formed or fastened on the base rail.

5. The drop-down seal as claimed in any one of claims 1 to 4, wherein the seal profile extends loosely relative to the expansion means.

6. The drop-down seal as claimed in any one of claims 1 to 5, wherein the seal profile is configured in one piece or consists of a plurality of parts connected fixedly together.

7. The drop-down seal as claimed in any one of claims 1 to 6, wherein an end piece adjoins the expansion means at the end of the expansion means remote from the base rail, and wherein the end piece is able to be lifted and lowered together with the base rail, the expansion means and the seal profile by means of the lowering mechanism.

8. The drop-down seal as claimed in claim 7, wherein the expansion means is arranged on the end piece and fixed relative thereto.

9. The drop-down seal as claimed in one of claims 7 or 8, wherein the seal profile is integrally formed or fastened on the end piece.

10. The drop-down seal as claimed in any one of claims 1 to 9, wherein the expansion means comprises two plates, wherein the plates are arranged on opposing sides of the base rail and, if present, of the end piece, and wherein at least one of the

two plates has a wall thickness which is less than the wall thickness of the base rail.

11. The drop-down seal as claimed in claim 10, wherein each plate comprises a base plate which at opposing ends transitions into one respective side leaf, wherein an angled leaf is arranged on one of the two side leaves.

12. The drop-down seal as claimed in claim 11, wherein a front face of the base rail forms a front-face lower stop for the base plates, wherein an edge of the base plates protrudes below the side leaves.

13. The drop-down seal as claimed in one of claims 11 or 12, wherein the angled leaf in the lower region has a shape which forms a counterpart to a region of the inner face of the base rail and, if present, of the end piece, so that the connection between the angled leaf and this region forms an anti-rotational locking.

14. The drop-down seal as claimed in any one of claims 10 to 13, wherein the two plates are of identical configuration and form two parts which are separate from one another.

15. The drop-down seal as claimed in any one of claims 11 to 13, wherein the two plates are jointly configured in one piece, with one respective base plate and two respective side leaves, wherein the common angled leaf forms the connecting piece between the two plates.