CLAIMS

1. A formwork panel for concrete-work shutterings, comprising a supporting structure and a separate formwork skin connected to the supporting structure, the formwork panel further comprising: The supporting structure consists substantially of plastics material;
the supporting structure is substantially in the form of a grating;
the formwork skin is constituted by a single formwork skin element substantially of plastics material or by several formwork skin elements substantially of plastics material each;
the formwork skin is releasably connected to the supporting structure; and
at least one formwork skin element has molded-on extensions on its rear side, which transfer possible tensile forces between the supporting structure and the formwork skin.

2. A formwork panel for concrete-work shutterings, comprising a supporting structure and a separate formwork skin connected to the supporting structure, the formwork panel further comprising:
The supporting structure consists substantially of plastics material;
the supporting structure - excluding here a design substantially as a grating - comprises a plurality of openings extending in continuous manner from the supporting structure front side to the supporting structure rear side and having, in a plan view, an area size of at least 25 square centimeters;
the formwork skin is constituted by a single formwork skin element substantially of plastics material or by several formwork skin elements substantially of plastics material each;
the formwork skin is releasably connected to the supporting structure; and
at least one formwork skin element has molded-on extensions on its rear side, which transfer possible tensile forces between the supporting structure and the formwork skin.

3. The formwork panel according to claim 1 or 2,
characterized in that the supporting structure is substantially an integral injection-molded component of plastics material or substantially an integral compression-molded component of plastics material.

4. The formwork panel according to any of claims 1 to 3,
characterized in that there is provided at least one formwork skin element which substantially is an integral injection-molded component of plastics material or substantially an integral compression-molded component of plastics material.

5. The formwork panel according to any of claims 1 to 4,
characterized in that the supporting structure has at least one double wall, wherein the two walls of the double wall, on the rear side of the supporting structure, are connected to each other in substantially continuous manner by a material portion, or are connected to each other in sections by material portions.

6. The formwork panel according to claim 5,
characterized in that the at least one double wall, including the material portion, has a U-shaped or a hat shaped cross-section.

7. The formwork panel according to any of claims 1 to 6,
characterized in that the formwork skin is connected to the supporting structure by means of screws and/or rivets and/or clip-type connections and/or fused enlarged portions on molded-on connecting pins and/or releasable adhesive connection(s).

8. The formwork panel according to any of claims 1 to 7,
characterized in that at least one formwork skin element has locations of positive female/male engagement with the supporting structure so that possible shear forces acting parallel to the formwork skin front side are transferred between the respective formwork skin element and the supporting structure.

9. The formwork panel according to claim 8,
characterized in that there are locations at which the female/male engagement is constituted each by a molded-on extension of said formwork skin element, which is in engagement with a receiving portion formed in the supporting structure.

10. The formwork panel according to claim 9,

characterized in that at least a partial number of said engagement extensions at the same time are extensions that also have a function in transferring possible tensile forces between the supporting structure and the respective formwork skin element.

11. The formwork panel according to any of claims 1 to 10,
characterized in that the plastics material of the supporting structure is of higher strength than the plastics material of the single formwork skin element or the plastics material or materials of the several formwork skin elements.

12. The formwork panel according to any of claims 1 to 11,
characterized in that the plastics material of at least one formwork skin element is selected such that the formwork skin element is nailable.

13. The formwork panel according to any of claims 6~~1~~ to 12,
characterized in that the supporting structure, on the two longitudinal sides thereof and/or on the two transverse sides thereof, has a wall-like design as a double wall as stated, each comprising a series of elongated wall openings.

14. The formwork panel according to claim 13,
characterized in that the elongated wall openings are surrounded by a circumferential wall each.

15. The formwork panel according to claim 13 or 14,
characterized in that the elongated wall openings and the vicinity thereof each are designed such that, at these locations, mechanical coupling elements for coupling adjacent formwork panels can be attached and/or formwork accessories, such as push-pull props or formwork brackets, can be attached.

16. The formwork panel according to any of claims 1 to 15,
characterized in that, seen in a plan view, the formwork panel has an area of at least 0.8 m^2 or of at least 1.0 m^2.

17. A wall shuttering for concrete work,

characterized in that it comprises a plurality of coupled formwork panels according to any of claims 1 to 16.

18. A ceiling shuttering for a concrete work,
characterized in that it comprises a plurality of formwork panels according to any of claims 1 to 16.

19. A method of manufacturing a formwork panel for concrete-work shutterings according to any of claims 1 to 16,
characterized in that the supporting structure is injection-molded or compression-molded from a plastics material;
that a formwork skin element having a plurality of molded-on extension on its rear side, or a plurality of formwork skin elements each having a plurality of molded-on extensions on their rear sides, is/are injection-molded or compression-molded from a plastics material;
and that
(a) in the event that the formwork skin is constituted by a single formwork skin element, this formwork skin element is releasably attached to the supporting structure such that the molded-on extensions transfer possible tensile forces between the supporting structure and the formwork skin, or
(b) in the event that the formwork skin is constituted by several formwork skin elements, these several formwork skin elements are releasably attached to the supporting structure such that the molded-on extensions transfer possible tensile forces between the supporting structure and the formwork skin.

20. The method of claim 19,
characterized in that screws are threadedly engaged at least with a partial number of the extensions from the rear side of the supporting structure.