CLAIMS

1. A method for lateral-migration-preventing production of wall surfaces made of cement-based materials and sealed against water, more particularly of walls, of structures made of reinforced concrete, comprising:

- erecting an outer shuttering,

- applying a sealing material preferably to the full area of the inside of the outer shuttering,

- arranging a reinforcement in front of the inside of the outer shuttering that has been provided with the sealing material,

- applying an adhesion promoter to the sealing material through the reinforcement,

- erecting an inner shuttering,

- filling a cement-based material into the shuttering cavity formed by the outer and the inner shuttering, and

- hardening the material to form a solid bond between the cement-based material and the adhesion promoter located on the sealing material.

2. A method for lateral-migration-preventing production of floor surfaces made of cement-based materials and sealed against water, more particularly of floors of structures made of reinforced concrete, comprising:

- applying a sealing material preferably to the full area of a substrate, more particularly a blinding layer, preferably of unreinforced concrete,

- arranging a reinforcement above the layer of the sealing material,

- applying an adhesion promoter to the sealing material through the reinforcement,

- incorporating, for example pouring, a cement-based material from above into a shuttering erected before or after the arrangement of the reinforcement around the substrate, and

- hardening the material to form a solid bond between the cement-based material and the adhesion promoter located on the sealing material.

3. A method for lateral-migration-preventing production of surfaces made of cement-based materials and sealed against water, more particularly of overhead surfaces, e.g., ceilings, vaults, etc., of structures made of reinforced concrete, comprising:

- applying a sealing material to preferably the full area of a substrate, more particularly to a leveling layer, preferably made of shotcrete,

- arranging a reinforcement over the layer of the sealing material,

- applying an adhesion promoter to the sealing material through the reinforcement,

- incorporating, e.g. "spraying" a cement-based material from below onto the adhesion promoter, and

- hardening the material to form a solid bond between the cement-based material and the adhesion promoter located on the sealing material.

4. The method as claimed in any of claims 1 to 3, characterized in that the sealing material is applied in the form of sealing membranes which are laid preferably overlappingly and are for example adhesively bonded or welded in the seam region.

5. The method as claimed in any of claims 1 to 4, characterized in that the sealing material is based on FPO, TPE, ECB, PVC, EPDM, EVA, PE or the like.

6. The method as claimed in any of the preceding claims, characterized in that the adhesion promoter is applied by spraying.

7. The method as claimed in any of the preceding claims, characterized in that the adhesion promoter is a polymer-based dispersion, emulsion, suspension or solution based on acrylate, bitumen, cements or other substances.

8. The method as claimed in any of the preceding claims, characterized in that before the adhesion promoter is applied, the surface of the sealing material is cleaned to remove soiling, preferably by means of a liquid, more particularly water.