Claims:

1. An apparatus for sealing a gap between two formworks comprising:-

   a frame attachable to one of the two formworks, the frame comprises a first part and a second part; and

   a securing means operable to secure the frame at a position on the one of the two formworks,

   where in operation, the first part of the frame extends the attached formwork along an axis of the attached formwork by a required length toward the other formwork, and the second part of the frame is secured to the portion of the attached formwork by the securing means.

2. The apparatus according to claim 1, wherein the formwork is used for casting a material,

   wherein the material comprises at least one of the following: concrete, resin, metal, plaster.

3. The apparatus according to claims 1 or 2, wherein the frame is slidable along the axis of the formwork.

4. The apparatus according to any one of claims 1 to 3, wherein the securing means comprises at least one of the following: a clamp, a magnetic securing device, a nut and bolt system, a weight attached to the frame, self-weight of the frame.

5. The apparatus according to claim 2, wherein the securing means is effected during casting when the second part of the frame is sandwiched between the material and the portion of the formwork.

6. The apparatus according to any one of the preceding claims, wherein the formwork and/or the frame are made of metal.

7. The apparatus according to claim 6, wherein the metal comprises steel, aluminium and metallic alloys.

8. The apparatus according to any one of claims 1 to 5, wherein the formwork and/or the frame are made of composite materials.

9. The apparatus according to any one of claims 1 to 8, wherein the formwork comprises at least one side formwork for casting a slab or wall component.

10. The apparatus according to claim 9, wherein the frame is operable to slide along a first side formwork among the at least one side formwork, wherein the axis of the formwork is a longitudinal axis of the first side formwork.

11. The apparatus according to claim 10, where in the requisite position, the first part of the frame extends a portion of the first side formwork along the longitudinal axis of the first side formwork by the required length.

12. The apparatus according to any one of claims 9 to 11, wherein the frame substantially encases the first side formwork.

13. The apparatus according to any one of claims 10 to 12, wherein each of the at least one side formwork is attached to a backing member.

14. The apparatus according to claim 13, wherein the backing member comprises at least one of the following: a C-channel, L-angle channel or a hollow section channel.

15. The apparatus according to claims 13 or 14, wherein the second part of the frame is secured on the portion of the first side formwork at least by way of the backing member and the securing means, and

wherein the securing means comprises at least one of the following: a clamp, a magnetic securing device, a nut and bolt system, a weight attached to the frame, self-weight of the frame.

16. The apparatus according to claim 1, wherein the frame is a composite frame for connecting a first side formwork and a second side formwork, and wherein a longitudinal axis of the first part of the composite frame is inclined at an angle with respect to a longitudinal axis of the second part of the composite frame, and the longitudinal axes of an integral add-on frame and elongated frame are substantially parallel to a horizontal plane.

17. The composite frame according to claim 16, wherein the first part of the composite frame is securable to the first side formwork by a first securing means and the second part of the composite frame is securable to the

second side formwork by a second securing means to align the first side formwork and the second formwork at said angle.

18. A method for sealing a gap between two formworks comprising the steps of:-

attaching a frame to one of the two formworks at a requisite position; and

securing the frame onto the attached formwork at the requisite position,

wherein in the requisite position, a first part of the frame extends the portion of the formwork along an axis of the attached formwork by a required length toward the other formwork, and a second part of the frame is secured to the portion of the attached formwork.

19. The method according to claim 18, wherein the formwork is used for casting a material,

wherein the material comprises at least one of the following: concrete, resin, metal, plaster.

20. The method according to claims 18 or 19, wherein the frame is slidable along the formwork along the axis of the formwork to the requisite position.

21. The method according to any one of claims 18 to 20, wherein the formwork and/or the frame are made of metal.

22. The method according to any one of claims 18 to 20, wherein the formwork and/or the frame are made of composite materials.

23. The method according to claim 18 to 22, wherein the step of securing the frame onto the formwork is performed at least by way of one of the following: clamping, bolting, screwing, weighting.

24. The method according to claim 19, wherein the step of securing the frame onto the formwork is effected during casting when the second part of the frame is sandwiched between the material and the portion of the formwork.

25. The method according to any one of claims 18 or 19, wherein the formwork comprises at least one side formwork for casting a slab or wall component.

26. The method according to claim 25, wherein the frame is slidable on a first side formwork among the at least one side formwork along the axis, wherein the axis is the longitudinal axis of the first side formwork.

27. The method according to claim 26, where in the requisite position, the first part of the frame extends a portion of the first side formwork along the longitudinal axis by the required length.

28. The method according to any one of claims 25 to 27, wherein the frame substantially encases the first side formwork.

29. The method according to any one of claims 26 to 27, wherein each of the at least one side formwork is attached to a backing member.

30. The method according to claim 29, wherein the backing member comprises at least one of the following: a C-channel, L-angle channel or a hollow section channel.

31. The method according to claims 29 or 30, wherein the step of securing the frame onto the first side formwork is performed at least by way of the backing member and at least one of the following: a clamp, a magnetic securing device, a nut and bolt system, a weight attached to the frame, self-weight of the frame.

32. An apparatus for matching a first end of a first formwork to a second formwork comprising:-

a frame operable to slide on a surface of the first formwork along a sliding axis near the first end towards a receiving surface of the second formwork,

wherein a profile of a matching end of the frame sliding towards the receiving surface of the second formwork is substantially complementary to a profile of the receiving surface of the second formwork; and

a securing means operable to fix the frame at a requisite position along the sliding axis of the first formwork,

where in the requisite position, the matching end of the frame is substantially near or in contact with the receiving surface of the second formwork.

33. The apparatus according to claim 32, wherein the first and second formworks are used for casting a material,

wherein the material comprises at least one of the following: concrete, resin, metal, plaster.

34. The apparatus according to claims 32 or 33, wherein the securing means comprises at least one of the following: a clamp, a magnetic securing device, a nut and bolt system, a weight attached to the frame, self-weight of the frame.

35. The apparatus according to claim 33, wherein the securing means is effected during casting when part of the frame is sandwiched between concrete and the formwork.

36. The apparatus according to any one of claims 32 to 35, wherein the first and second formwork and/or the frame are made of metal.

37. The apparatus according to any one of claims 32 to 36, wherein the first and second formwork and/or the frame are made of composite materials.

38. The apparatus according to claim 32, wherein the first formwork and the second formwork are a first and a second side formworks respectively, wherein the first and second side formworks are part of a formwork for casting a slab or wall component.

39. The apparatus according to claim 38, wherein the frame substantially encases the first side formwork.

40. The apparatus according to claims 38 or 39, wherein the first and second side formworks are each attached to a backing member.

41. The method according to claim 40, wherein the backing member comprises at least one of the following: a C-channel, L-angle channel or a hollow section channel.

42. The apparatus according to claims 40 or 41, wherein the frame is secured on the first formwork by way of at least the backing member of the first side formwork and the securing means, and

wherein the securing means comprises at least one of the following: a clamp, a magnetic securing device, a nut and bolt system, a weight attached to the frame, self-weight of the frame

43. The apparatus according to any one of claims 32 to 42, wherein the matching end of the frame comprises a protrusion or a slit cut.

44. A method for matching a first end of a first formwork and a second formwork comprising the steps of:-

sliding a frame on the first formwork along a sliding axis of the first formwork near the first end towards a receiving surface of the second formwork,

wherein a profile of a matching end of the frame approaching the second side formwork is substantially complementary to a profile of the receiving surface of the second side formwork; and

securing the frame at a requisite position along the sliding axis of the first formwork,

where in the requisite position, the matching end of the frame is substantially near or in contact with the receiving surface of the second formwork.

45. The method according to claim 44, wherein the first and second formworks are used for casting a material,

wherein the material comprises at least one of the following: concrete, resin, metal, plaster.

46. The method according to claims 44 or 45, wherein the first and second formwork and/or the frame are made of metal.

47. The method according to claims 44 or 45, wherein the first and second formwork and/or the frame are made of composite materials.

48. The method according to any one of claims 44 to 47, wherein the step of securing the frame onto the first formwork is performed at least by way of one of the following: clamping, bolting, screwing, weighting.

49. The method according to claims 44 or 45, wherein the step of securing the frame onto the first formwork is effected during casting when part of the frame is sandwiched between concrete and the formwork.

50. The method according to any one of claims 44 to 49, wherein the first formwork and the second formwork are a first and a second side formworks respectively, wherein the first and second side formworks are part of a formwork for casting a slab or wall component.

51. The method according to claim 50, wherein the frame substantially encases the first side formwork.

52. The method according to claims 50 or 51, wherein the first and second side formworks are each attached to a backing member.

53. The method according to claim 52, wherein the backing member comprises at least one of the following: a C-channel, L-angle channel or a hollow section channel.

54. The method according to claims 52 or 53, wherein the step of securing comprises at least using the backing member of the first side formwork and at least one of the following: a clamp, a magnetic securing device, a nut and bolt system, a weight attached to the frame, self-weight of the frame.

55. The method according to any one of claims 44 to 54, wherein the matching end of the frame comprises a protrusion or a slit cut.