Claims

1. A reusable paving slab for temporary road for rapid formation of solid grounds or simple roads on a large-area construction site, comprising a modularized rectangular RC panel (1), which contains therein a reinforcement mat (13) consisting of a plurality of longitudinally extending and laterally extending steel bars linked with each other, wherein the rectangular RC panel (1) is provided with a plurality of grooves (11), which are evenly distributed adjacent to edges of the rectangular RC panel in the upper surface of the rectangular RC panel, and a hook (12) arranged in each of the grooves in a hidden manner, the hooks (12) being anchored to the reinforcement mat and the top thereof being slightly lower than the upper surface of the rectangular RC panel (1).

2. The reusable paving slab according to claim 1, wherein further including a sector-shaped RC panel (2) for being paved at a bend of the road, the radius of which corresponds to the width of standard road, wherein the sector-shaped RC panel (2) contains therein a reinforcement mat consisting of a plurality of longitudinally extending and laterally extending steel bars linked with each other, and wherein the sector-shaped RC panel (2) is provided with a plurality of grooves (11) evenly distributed adjacent to edges of the sector-shaped RC panel in the upper surface of the sector-shaped RC panel, and a hook (12) arranged in each of the grooves in a hidden manner, the hooks (12) being anchored to the reinforcement mat and the top thereof being slightly lower than the upper surface of the sector-shaped RC panel (2).

~~3. The reusable paving slab according to claim 1, wherein the modularized rectangular RC panel has a length of 3m, a width of 2.4m and a thickness of 175mm or 100mm, and wherein four hooks (12) are symmetrically arranged near the four corners of the rectangular RC panel.~~

~~4. The reusable paving slab according to claim 3, wherein the rectangular RC panel (1) includes two layers, i.e., an upper layer and a lower layer, of reinforcement mats (13) linked to each other, and the four hooks (12) near the four corners are anchored to the upper and the lower layers of the reinforcement mats respectively.~~

3. ~~5.~~ The reusable paving slab according to claim 2, wherein both of the rectangular RC panel (1) and the sector-shaped RC panel (2) are used at the bend of the temporary road, and the gap between the two RC panels (1, 2) is filled and leveled up with cast-in-situ concrete.

4. ~~6.~~ The reusable paving slab according to claim 5, wherein the surface of the rectangular RC panel (1) or the sector-shaped RC panel (2) is rough, and the four sides of the surface are all chamfered.

~~7. The reusable paving slab according to claim 5, wherein the steel bars in the reinforcement mats (13) of the rectangular RC panel (1) and the sector shaped RC panel (2) are Ø10 ribbed steel bars and are spaced apart from each other by 300mm both longitudinally and laterally, and wherein the four hooks (12) are Ø16 Zn plated ribbed steel bars, and the top of the hooks (12) is spaced away from the upper surface of the RC panels by no less than 10cm.~~

~~8. A construction method for paving temporary road with the reusable paving slab according to any one of claims 1 to 7, comprising the following steps:~~

~~Step A: leveling out and compacting the foundation, laying down a layer of fine sand thereon, and setting up a drainage facilitating cross slope based on the real landscape;~~

~~Step B: hooking the four hooks in the modularized rectangular paving slab by means of a four-jaw chain, hoisting the paving slab, and adjusting the lowering location thereof so as to locate it on the surface of the ground with fine sand;~~

~~Step C: hoisting another modularized rectangular paving slab, and adjusting the lowering position thereof so as to locate it in a position adjacent to the previous paving slab; and~~

~~Step D: repeating Step C to locate a next rectangular paving slab.~~

~~9. The construction method according to claim 8, where further comprising the following steps for pavement at a bend of the road:~~

~~Step E: paving the sector-shaped paving slab followed by the rectangular paving slab at the bend of the road; and~~

~~Step F: filling the gap between the two adjacent paving slabs and leveling up it with cast-in-situ concrete layer.~~

~~10. The construction method according to claim 8 or 9, wherein in Step A after leveling out and compacting the foundation (3), laying down a layer of fine sand (4) with a thickness of 30mm on the foundation (3).~~