

DOUBLE-SKIN EXTERIOR WALL STRUCTURE FOR MODULAR INTEGRATED BUILDING AND CONSTRUCTION METHOD THEREOF

5 ABSTRACT

The present invention discloses a double-skin exterior wall structure for modular integrated building and construction method thereof, the double-skin exterior wall structure comprising: a prefabricated interior wall body (1) on the inner side, a
10 prefabricated exterior wall body (2) on the outer side, and a cast-in-situ reinforced concrete layer (3) arranged therebetween; a plurality of protruding columns (11) protruding outward is fixedly arranged on an outer side surface of the prefabricated interior wall body (1), with a first connector (4) embedded in each of the protruding columns (11); a plurality of recesses (21) is provided on an outer side surface of the
15 prefabricated exterior wall body (2) in positions corresponding to the respective protruding columns (11), with a second connector (5) provided at each of the recesses (21); and the first connector (4) and the second connector (5) are connected to each other, thereby connecting the prefabricated interior wall body (1) and the prefabricated exterior wall body (2) together. The double-skin exterior wall structure
20 for modular integrated building according to the present invention significantly reduces the construction processes of the exterior wall at the construction site and the filling of the preformed through holes on the wall bodies afterwards, and achieves the integrated decoration for the interior wall surface of modular integrated building, thus improving the efficiency of construction.

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(Fig. 9)