ROOF CISTERN AND METHOD FOR MANUFACTURING AND CONSTRUCTING THE SAME

Abstract

The present invention provides a roof cistern and a method for manufacturing and constructing the roof cistern. The roof cistern includes a floor, a wall and a cover. The floor and the wall are semi-prefabricated members, and include an integral housing consisting of a prefabricated floor and a prefabricated wall, and a cast-in-situ floor and a cast-in-situ wall located inside the housing. The cover is a full-prefabricate member. The prefabricated wall is provided at an inner surface thereof with a fixing device extending inwardly for fixing an inner wall mold. In the method, the floor and the wall are semi-prefabricated while the cover is a full-prefabricated. During construction of the roof, the housing formed by the prefabricated floor and the wall is fixed, the inner wall mold is mounted, concrete ii casted for the wall and the floor, and the inner wall mold is removed after the concrete is set. The cover is placed on the cistern, and after position adjustment thereof, closes the cistern. With the above roof cistern and the above method, the on-site labor cost, pollution and construction period can be reduced.

(Fig. 1)