

ROOF CISTERN AND METHOD FOR MANUFACTURING AND CONSTRUCTING THE SAME

5 **Abstract**

10 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
15 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
20 construction of the roof, the housing formed by the prefabricated floor and the wall is
fixed, the inner wall mold is mounted, concrete is 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)