

ABSTRACT

5 **METHOD FOR PRODUCING PAPER OR PLASTIC CONTAINER OF HEAT INSULATION, HEAT PRESERVATION AND SCALD PREVENTION AND THE SAME CONTAINER OBTAINED THEREBY**

10 A method for producing paper or plastic container of heat insulation, heat preservation
and scald prevention and the same container obtained thereby are disclosed. The
method includes the following steps: agitating and mixing (3) a liquid binder (1) with a
heat-resistant foamed particle powder (2) to prepare a composite coating (4); applying
the composite coating (4) onto a given area of a continuous paper strip (P), a plastics
or a plastic container (7,7'), and heating it, and then making the heated continuous
15 paper strip (P) or the plastics into a required shaped container according to the prior art.
The properties of the inventive container include heat insulation, heat preservation and
scald prevention and so on, so when the container contains a substance of higher
temperature, a user's hand would not be scalded even if the user holds the container.
The inventive method is applicable to prepare various paper or plastic containers, such
20 as cups, bowls, dishes, fast food boxes and various packing containers. The obtained
containers are of heat insulation, heat preservation and scald prevention.

Fig. 1

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