WHAT IS CLAIMED IS:

1. A coating method of coating a face side of a wafer with a solid resin layer, the coating method comprising:

a holding step of holding, on a holding table, a reverse side of the wafer, the reverse side being opposite the face side of the wafer;

an applying step, after the holding step, of applying a liquid resin to the face side of the wafer or a plate-shaped object;

a heating step, after the applying step, of heating the liquid resin at a temperature low enough to keep the liquid resin uncured; and

a pressing step, after the heating step, of pressing at least either the plate-shaped object or the wafer to affix the plate-shaped object and the wafer to each other with the liquid resin interposed therebetween,

wherein air bubbles trapped in the liquid resin are ruptured in the heating step.

2. The coating method according to claim 1, wherein the heating step includes a step of heating the liquid resin with hot air ejected thereto.

3. A coating method of coating a face side of a wafer with a solid resin layer, the coating method

comprising:

a holding step of holding, on a holding table, a reverse side of the wafer, the reverse side being opposite the face side of the wafer;

an applying step, after the holding step, of applying a liquid resin to the face side of the wafer or a plate-shaped object;

an ultrasonic wave applying step, after the applying step, of applying ultrasonic waves to the liquid resin; and

a pressing step, after the ultrasonic wave applying step, of pressing at least either the plate-shaped object or the wafer to affix the plate-shaped object and the wafer to each other with the liquid resin interposed therebetween,

wherein air bubbles trapped in the liquid resin are ruptured in the ultrasonic wave applying step.

4. The coating method according to any one of claims 1 through 3,

wherein the liquid resin is an ultraviolet-curable resin,

the plate-shaped object is a transparent substrate that is transmissive of ultraviolet rays, and

the coating method further includes an ultraviolet

radiating step, after the pressing step, of applying ultraviolet rays to the ultraviolet-curable resin through the plate-shaped object.

5. The coating method according to any one of claims 1 through 3,

wherein the liquid resin is a thermosetting resin, and

the coating method further includes a thermosetting step, after the pressing step, of heating the thermosetting resin to cure the thermosetting resin.